

FIG. 1

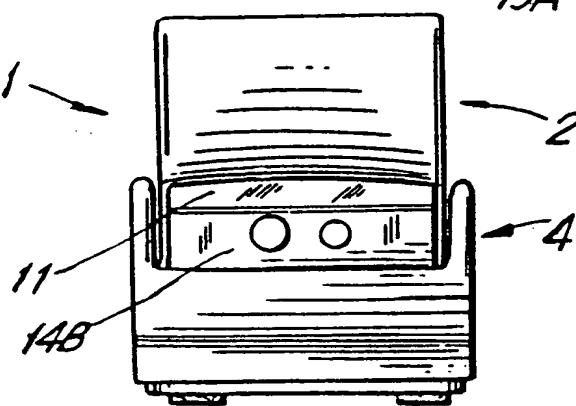


FIG. 1A

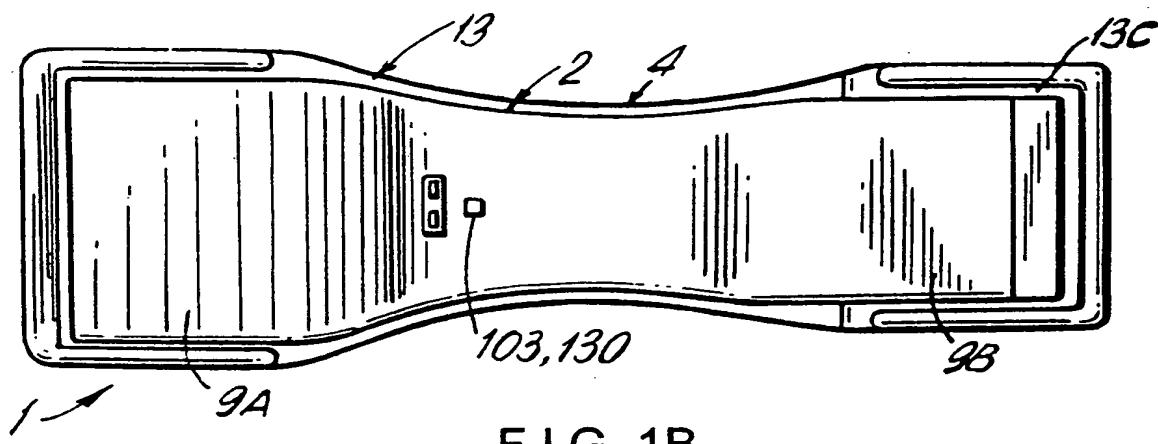


FIG. 1B



FIG. 1C

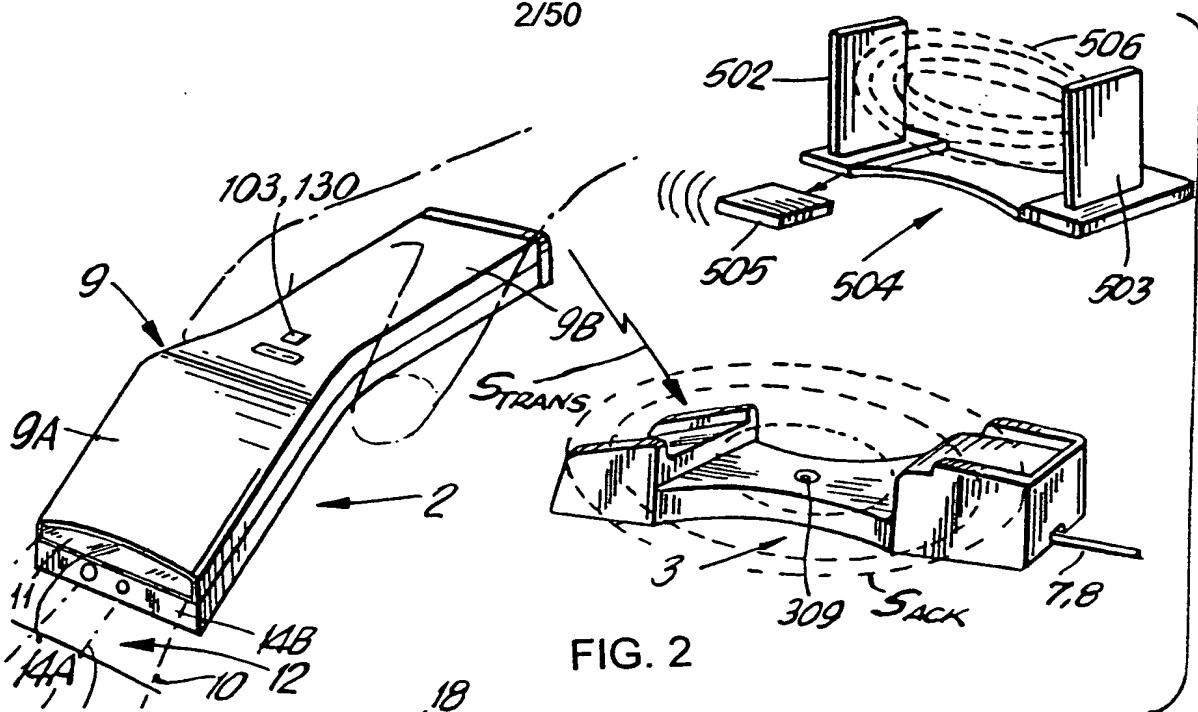


FIG. 2

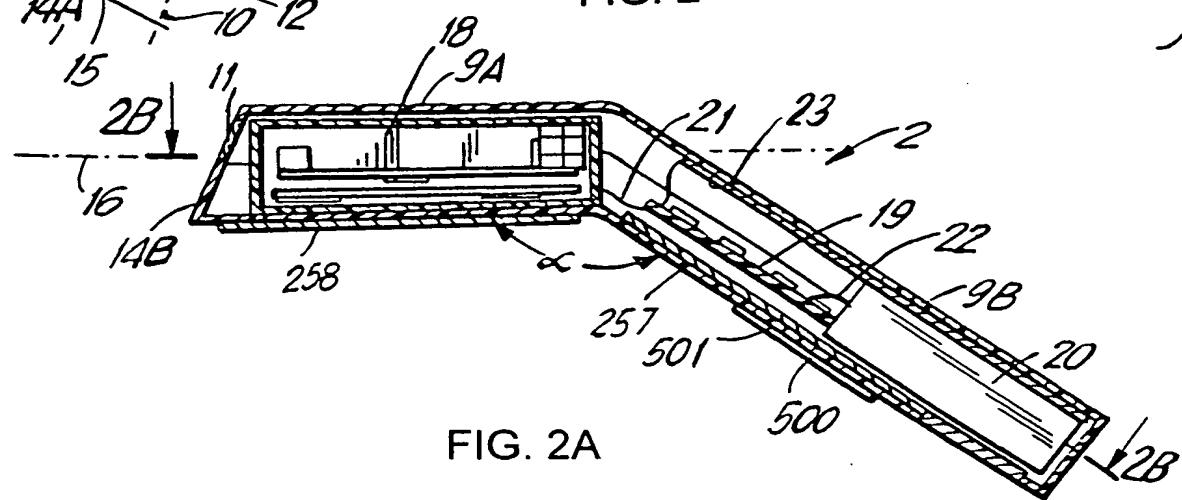


FIG. 2A

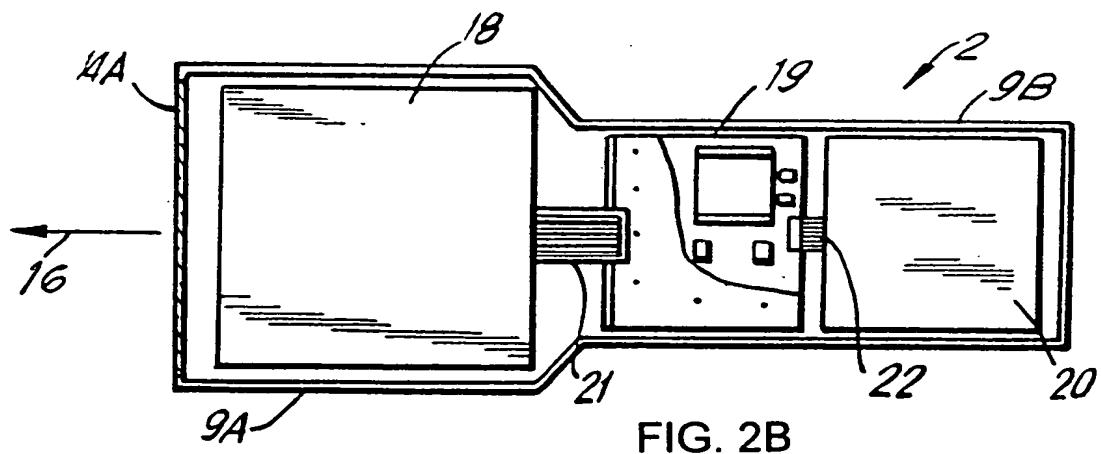


FIG. 2B

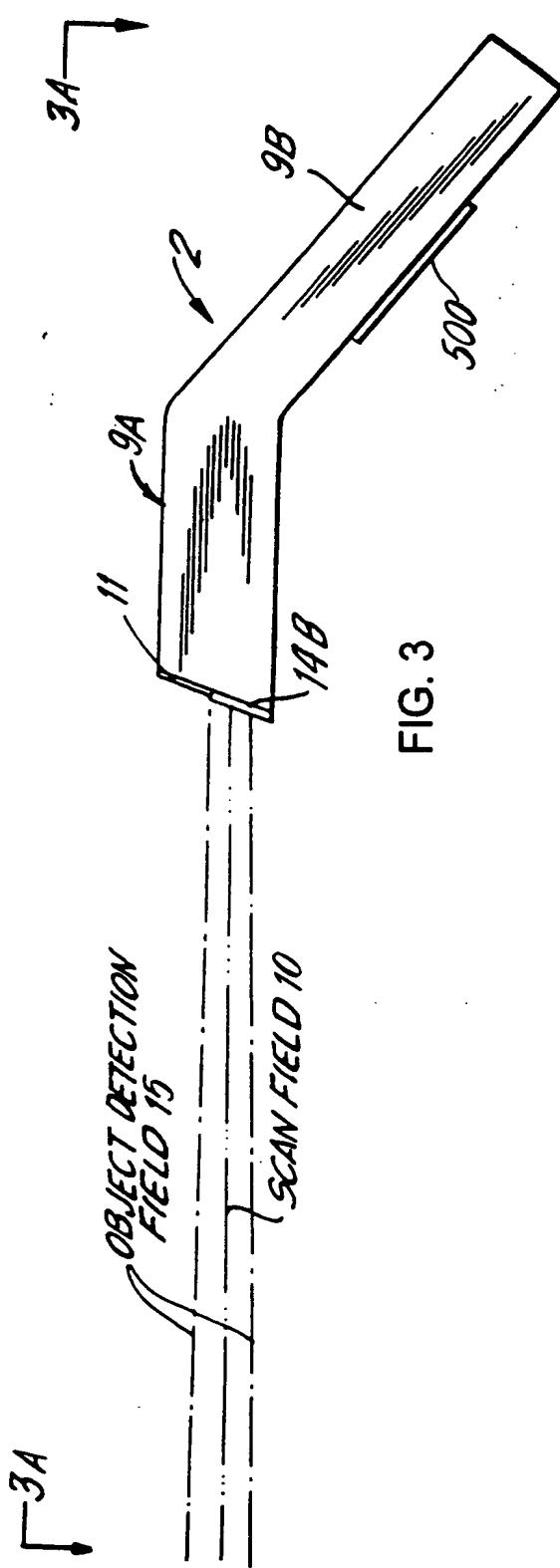


FIG. 3

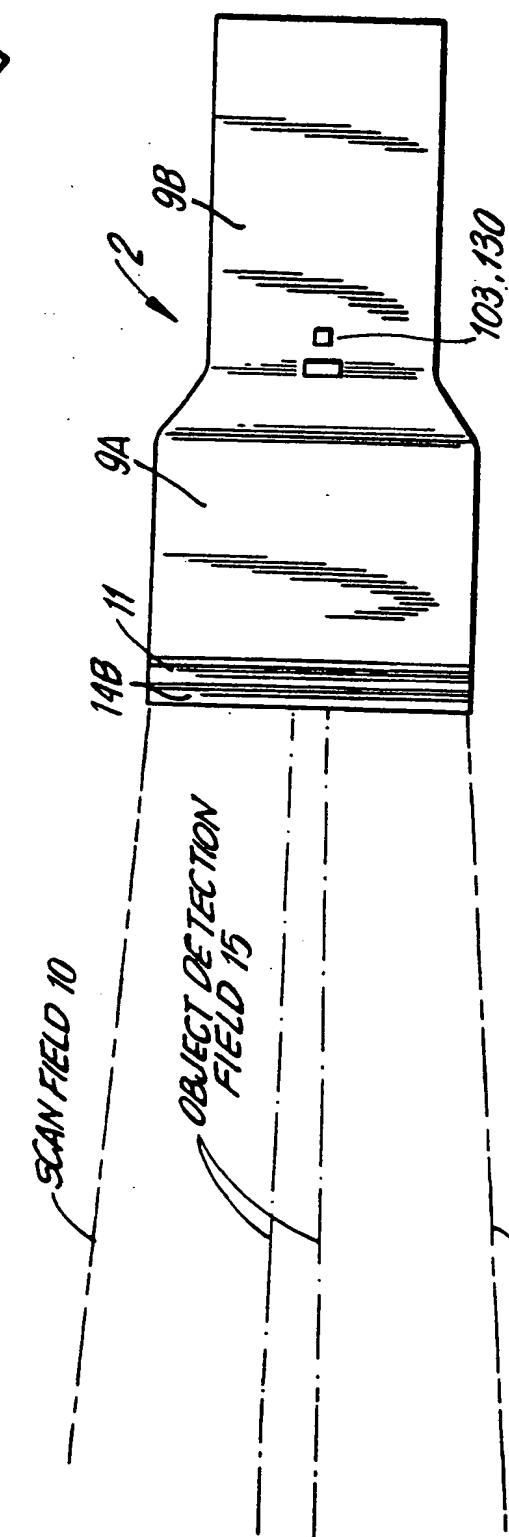


FIG. 3A

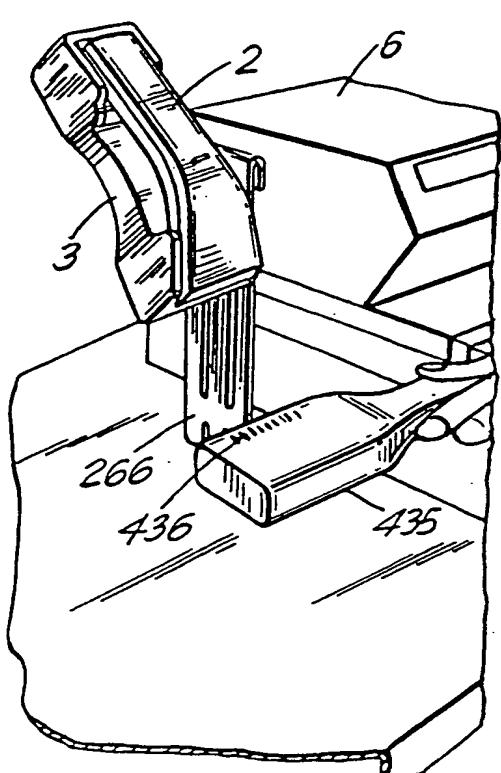


FIG. 4A

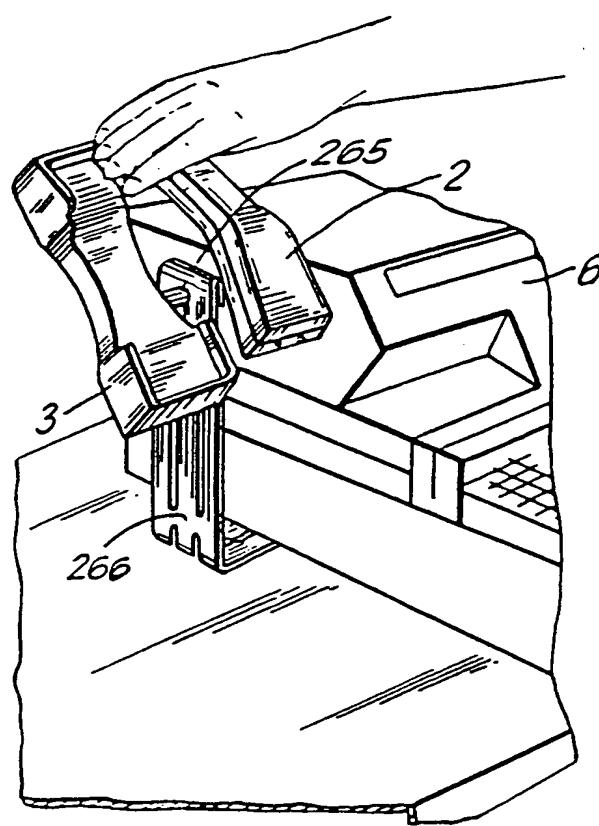


FIG. 4B

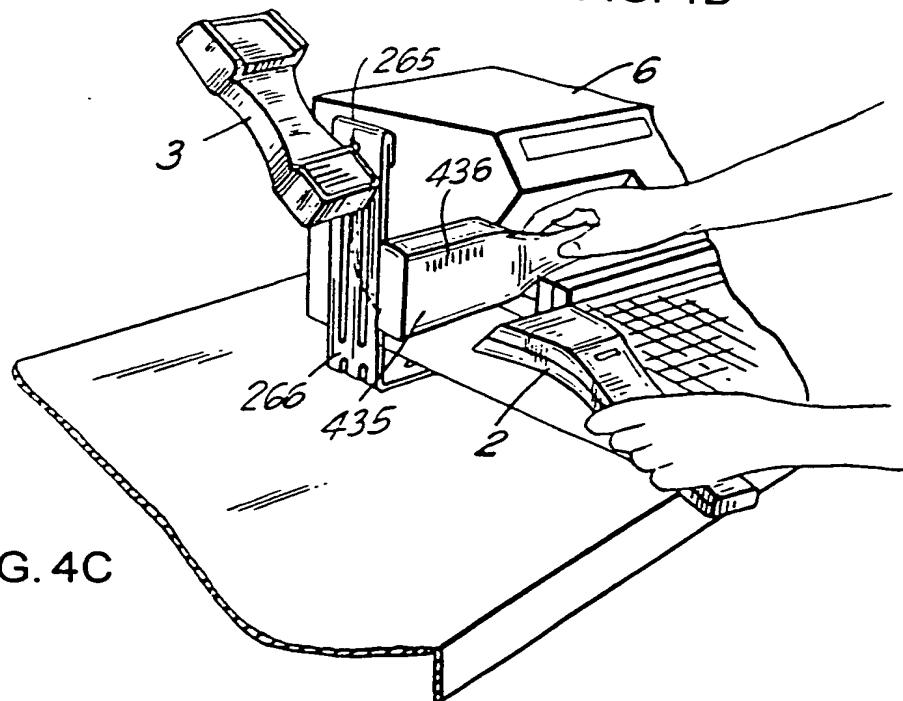


FIG. 4C

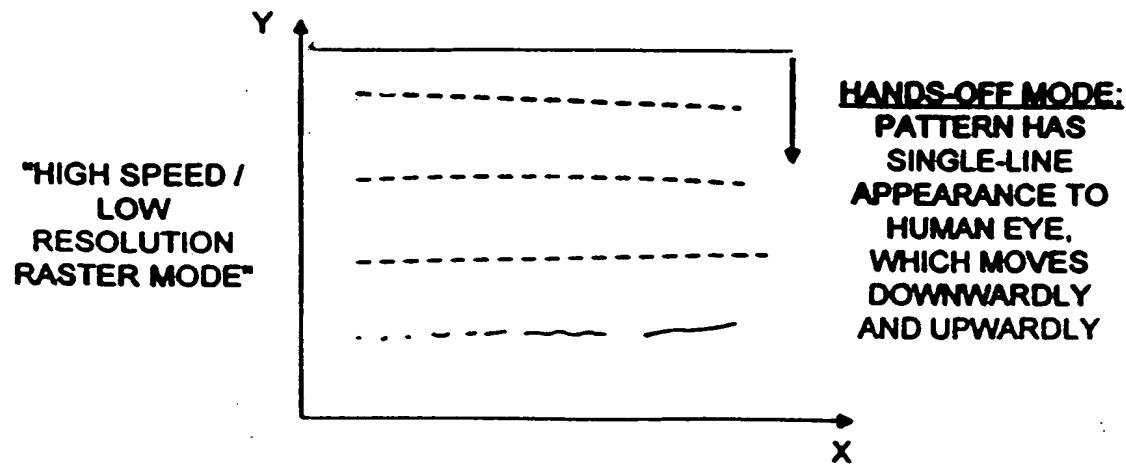


FIG. 4A1

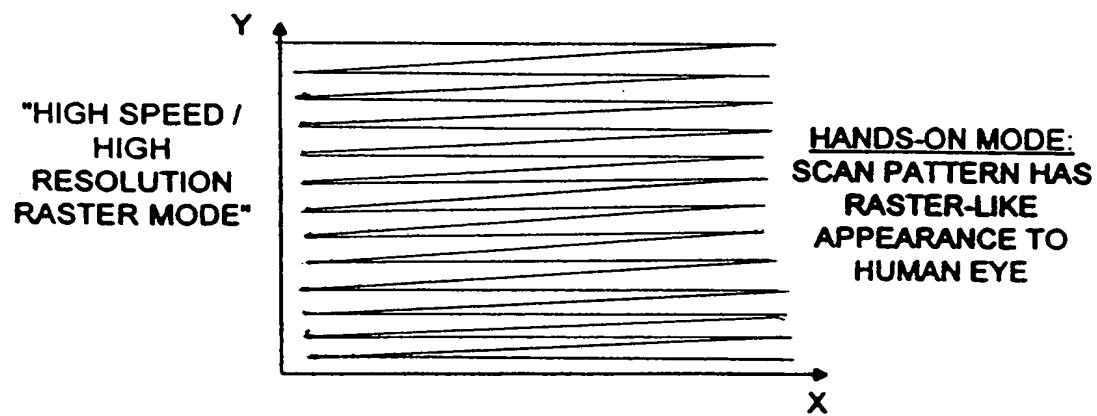
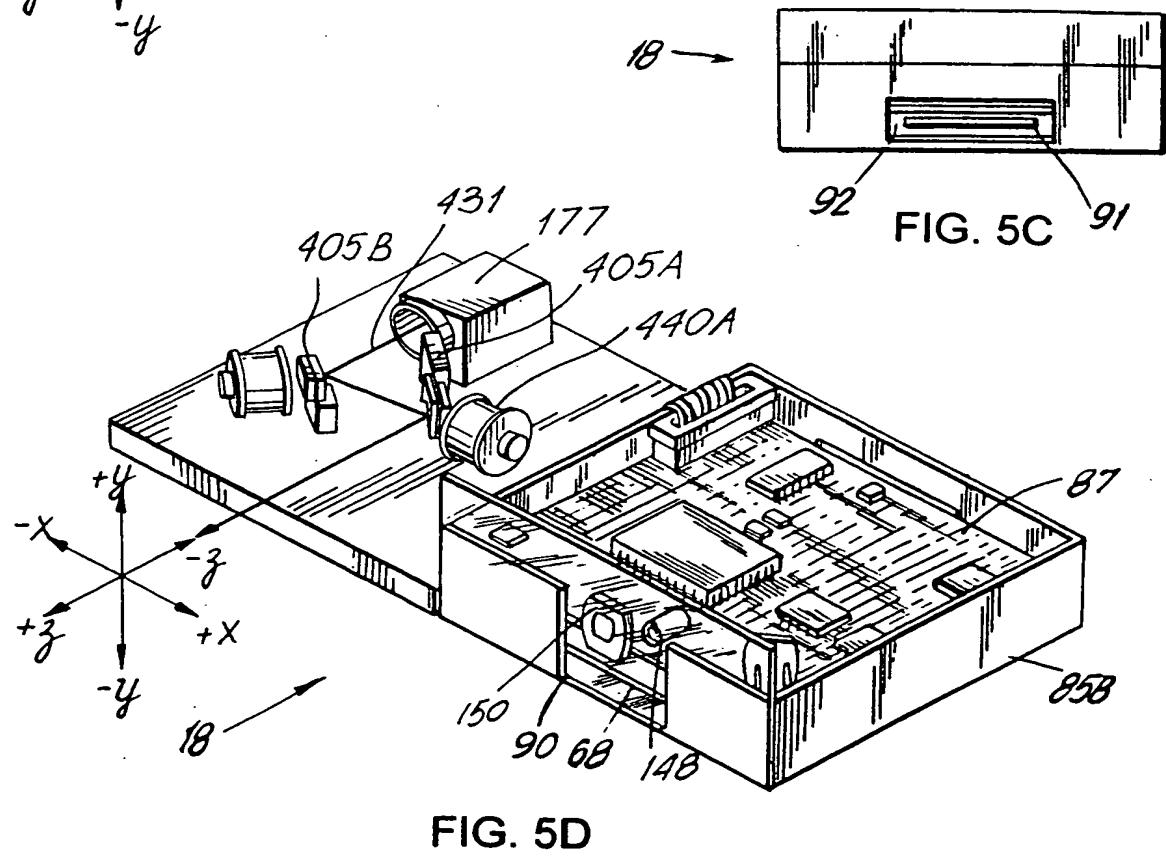
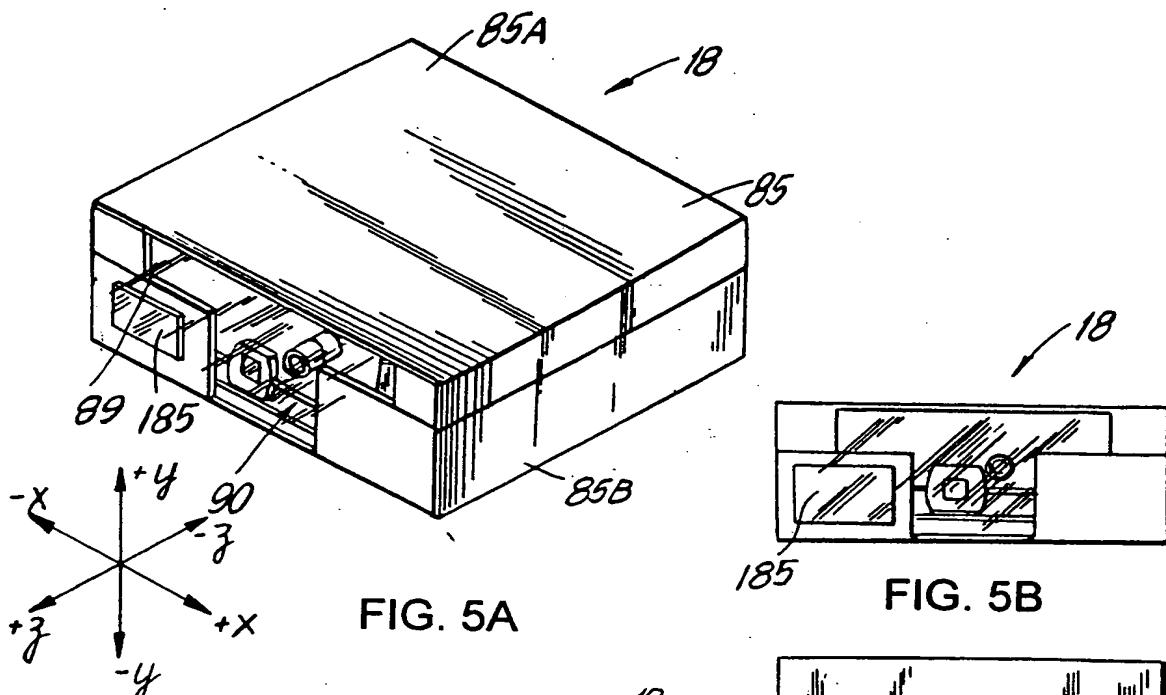
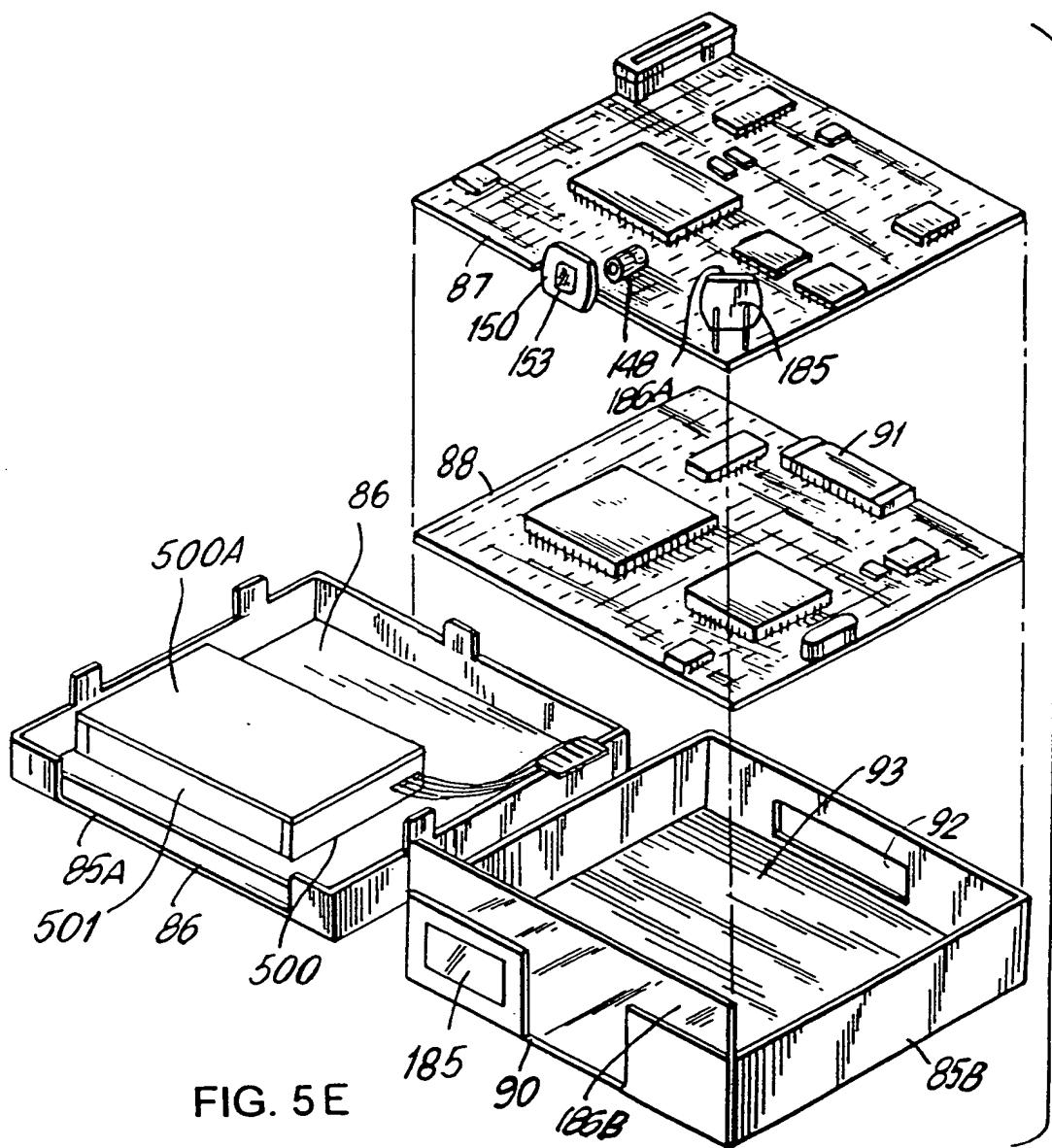


FIG. 4C1





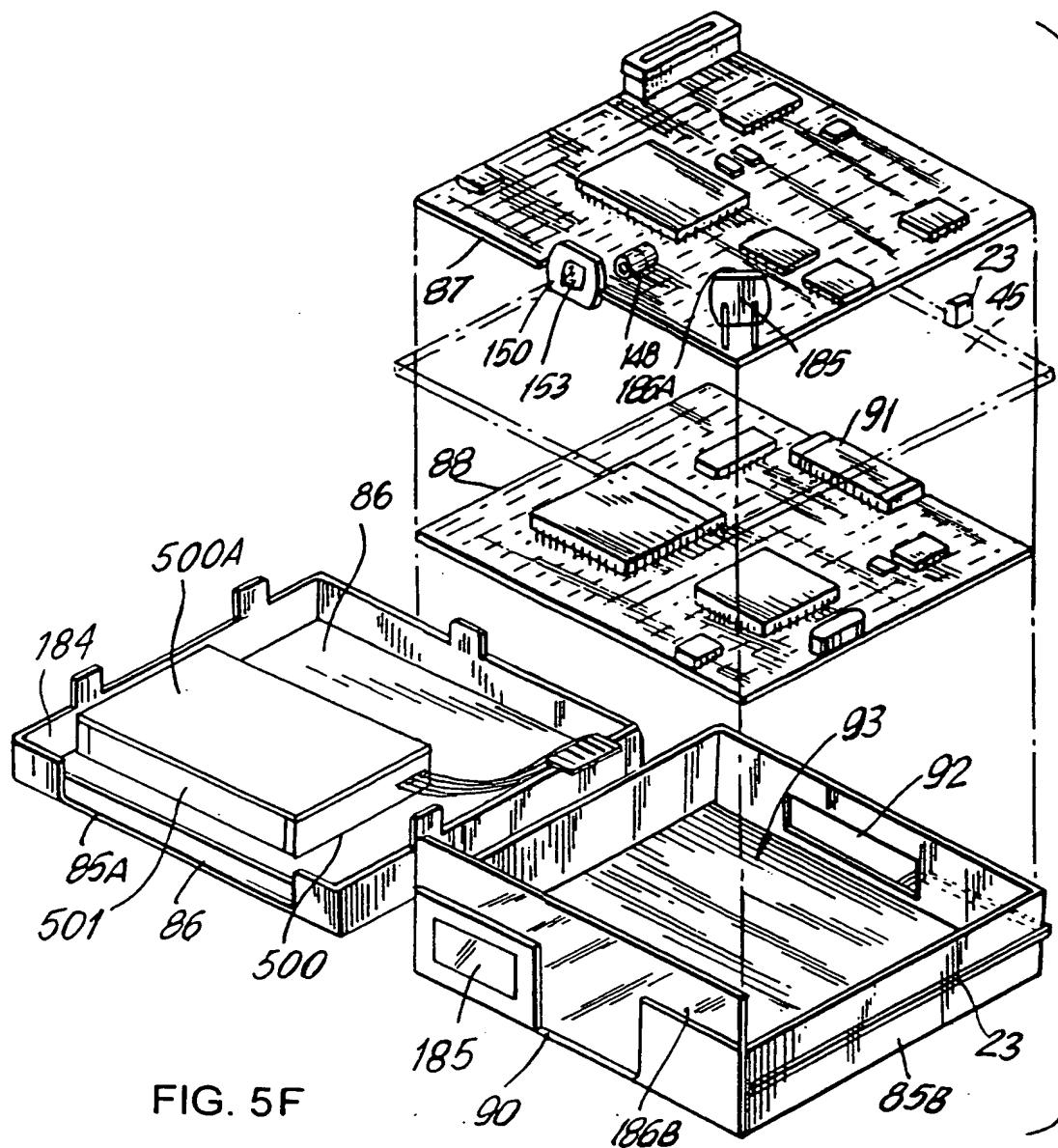


FIG. 5F

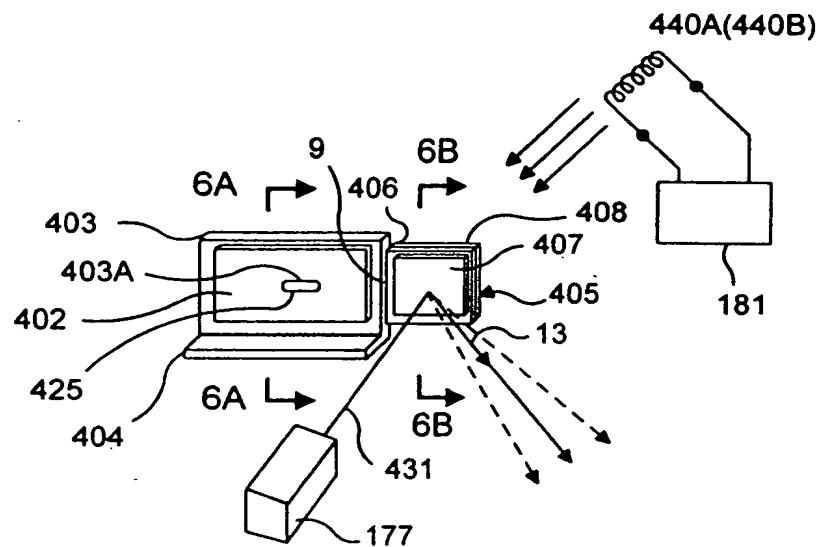


FIG. 6

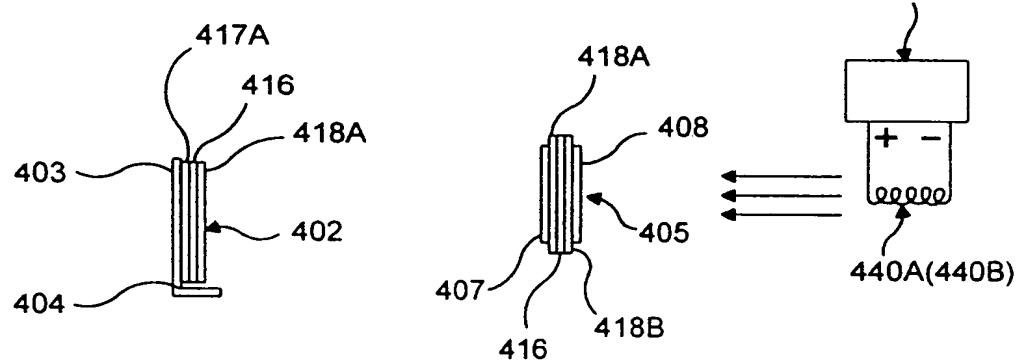


FIG. 6A

FIG. 6B

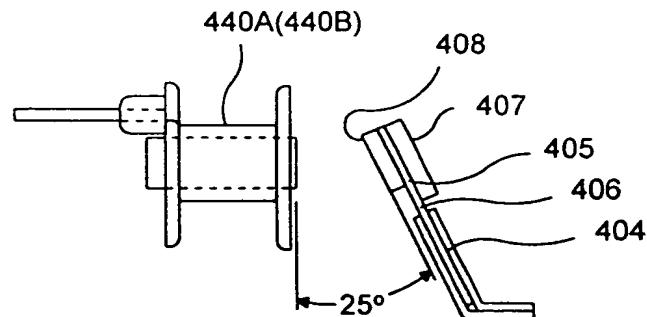


FIG. 6C

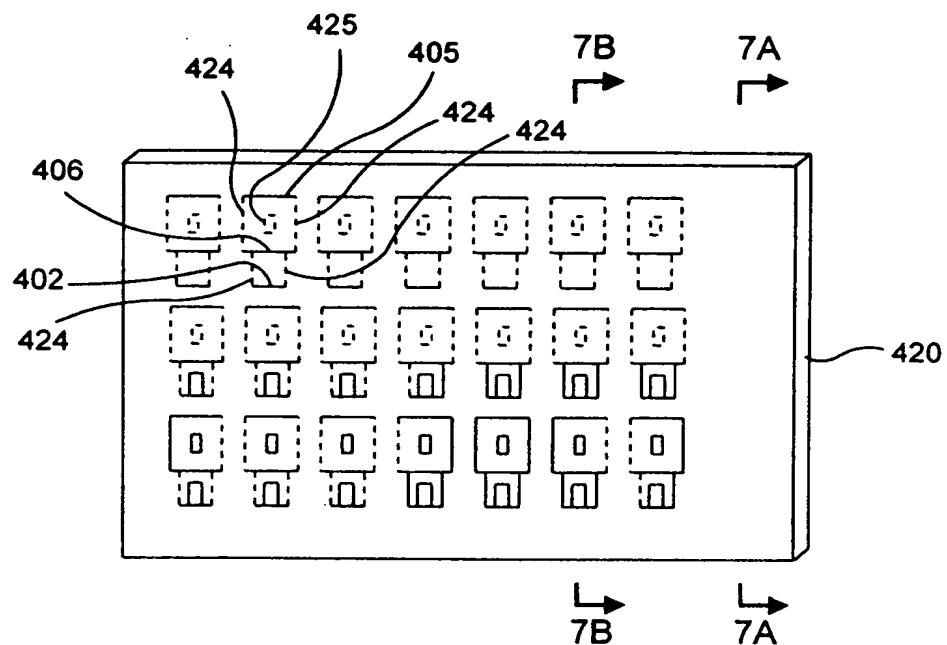


FIG. 7

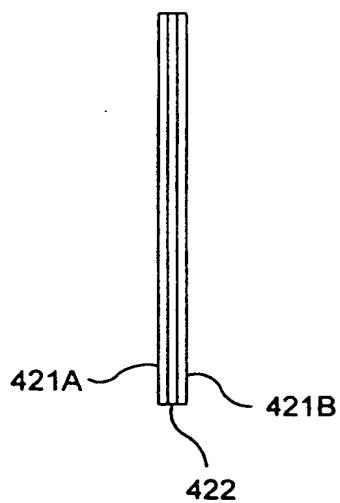


FIG. 7A

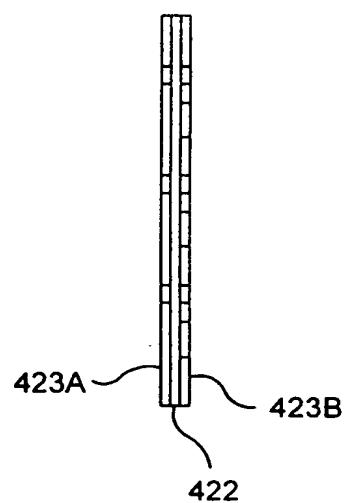


FIG. 7B

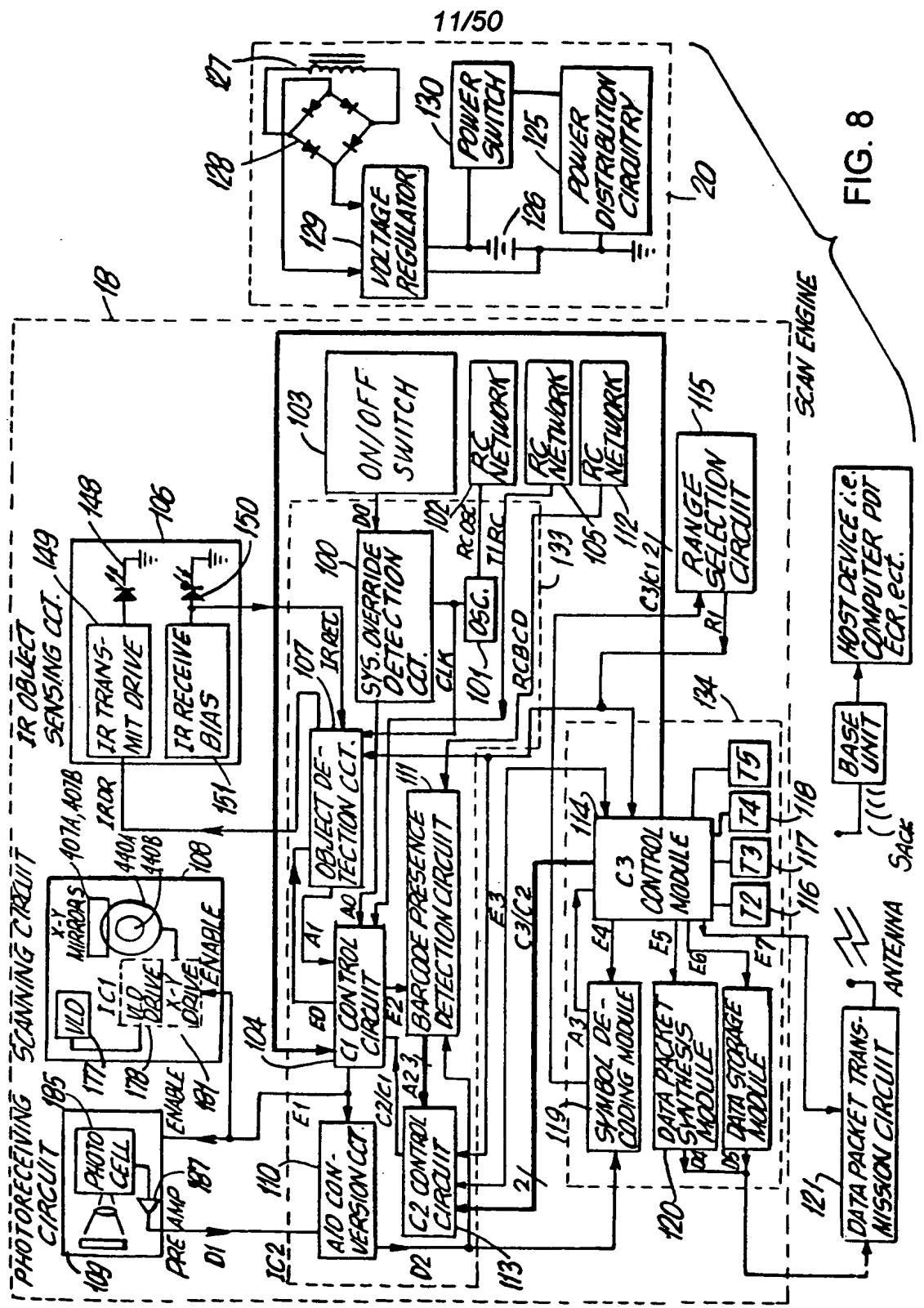


FIG. 8

X AND Y COIL DRIVE SIGNAL
GENERATOR

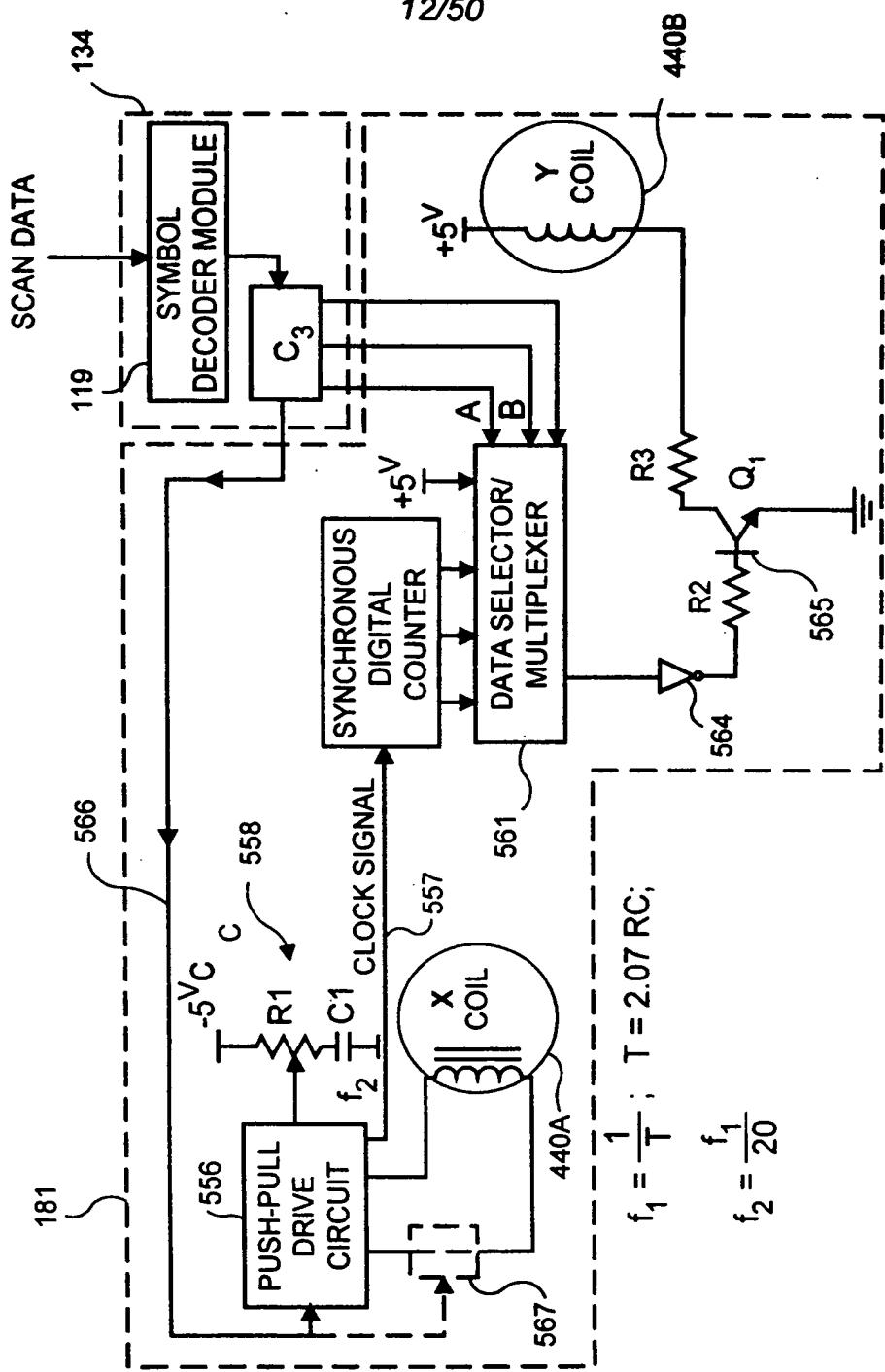


FIG. 8A

FIG. 8B1

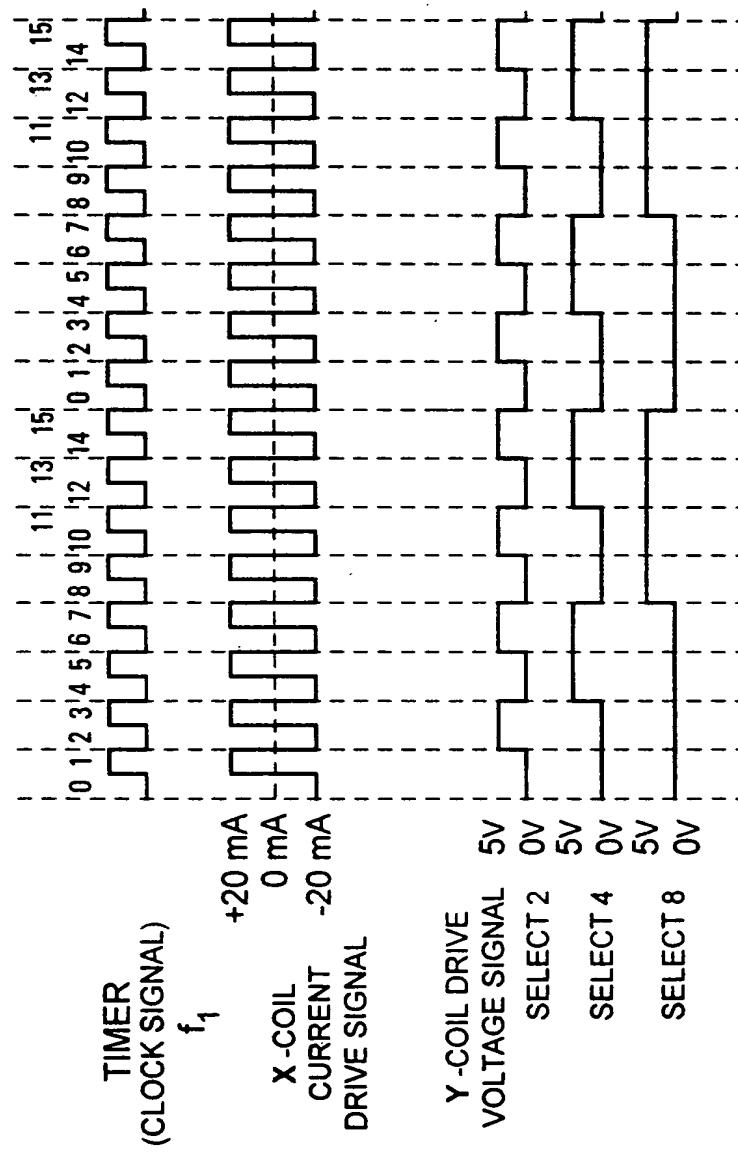


FIG. 8B2

FIG. 8B3
FIG. 8B4
FIG. 8B5

2-LINE
RASTER

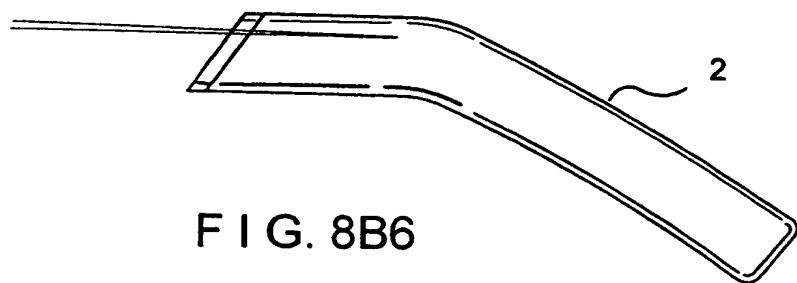


FIG. 8B6

4-LINE
RASTER

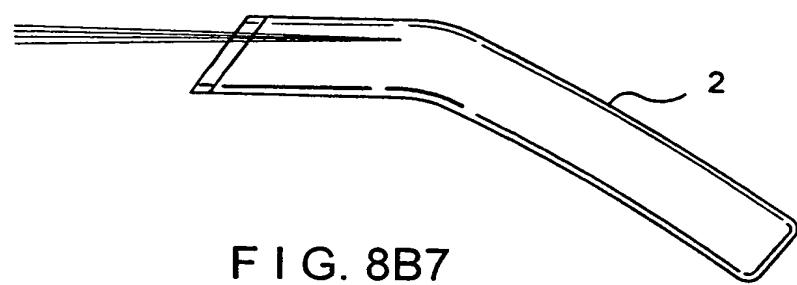


FIG. 8B7

8-LINE
RASTER

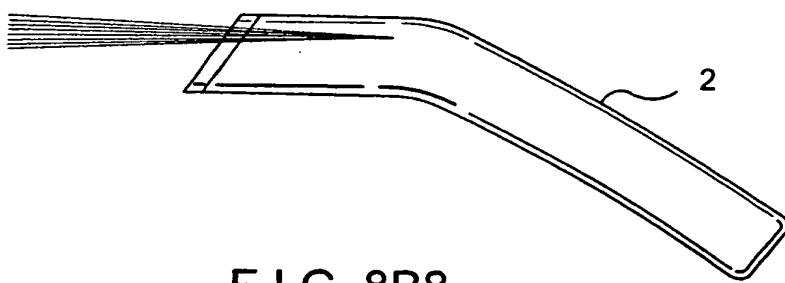


FIG. 8B8

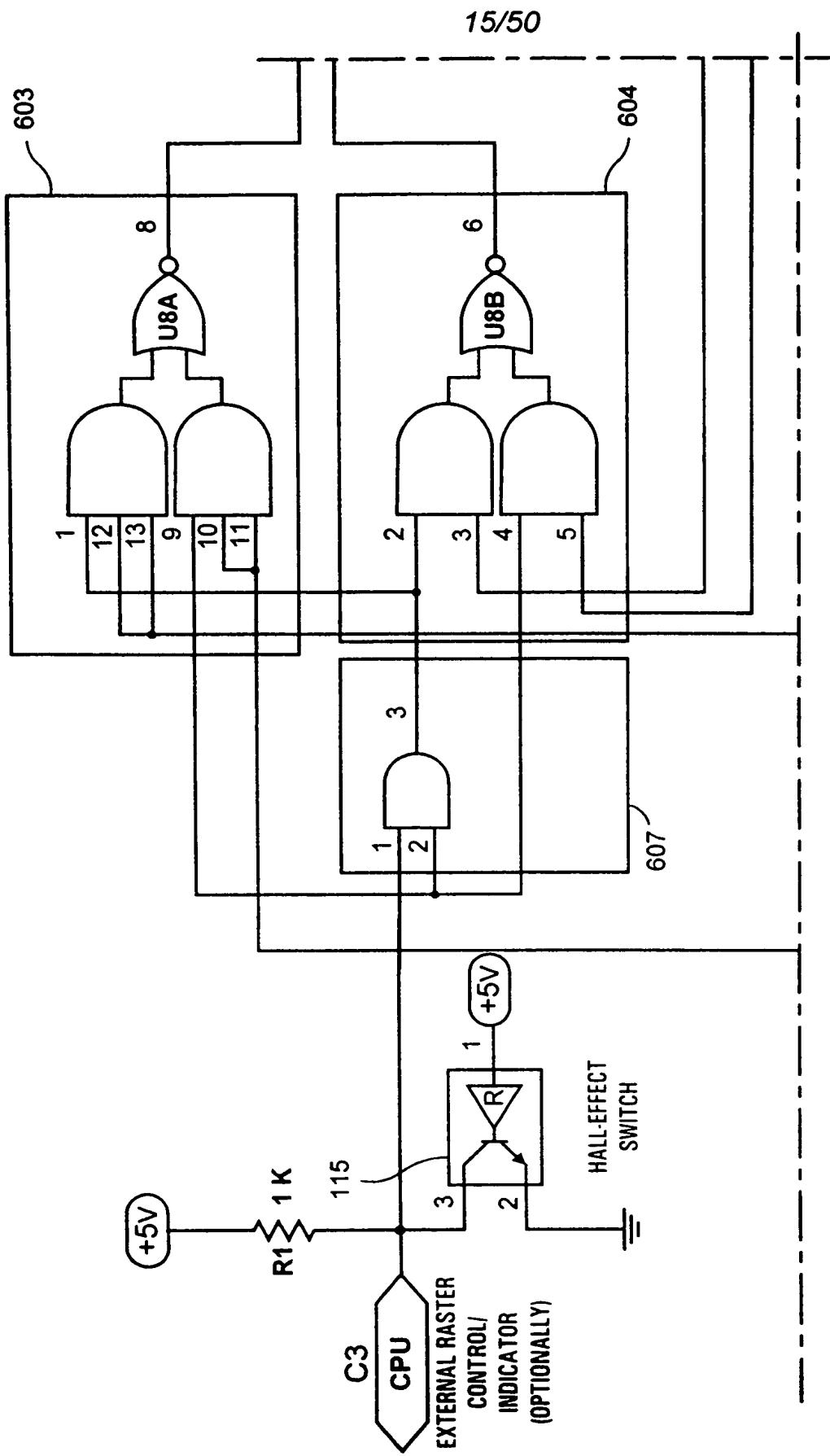


FIG. 8CA

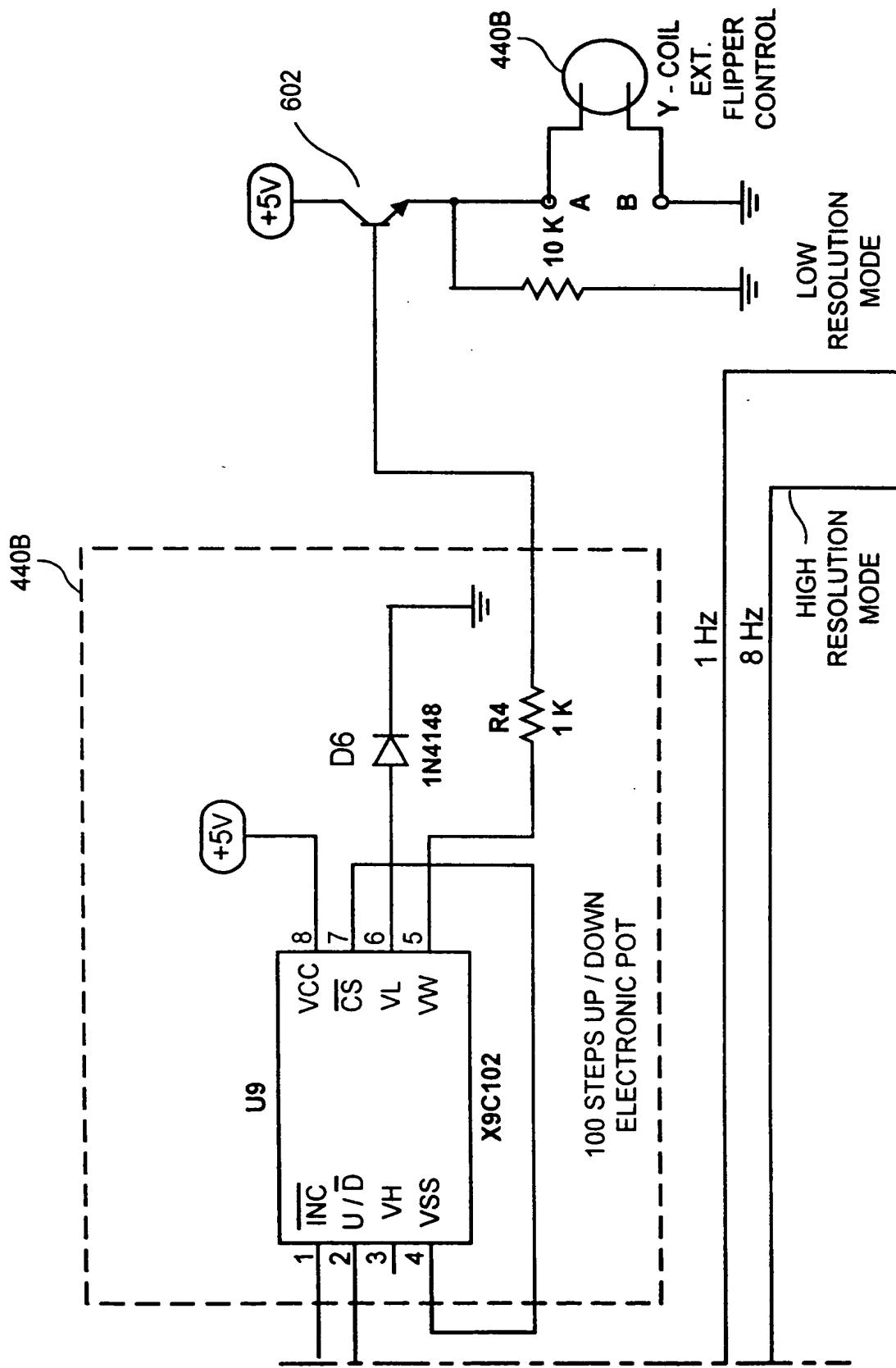


FIG. 8CB

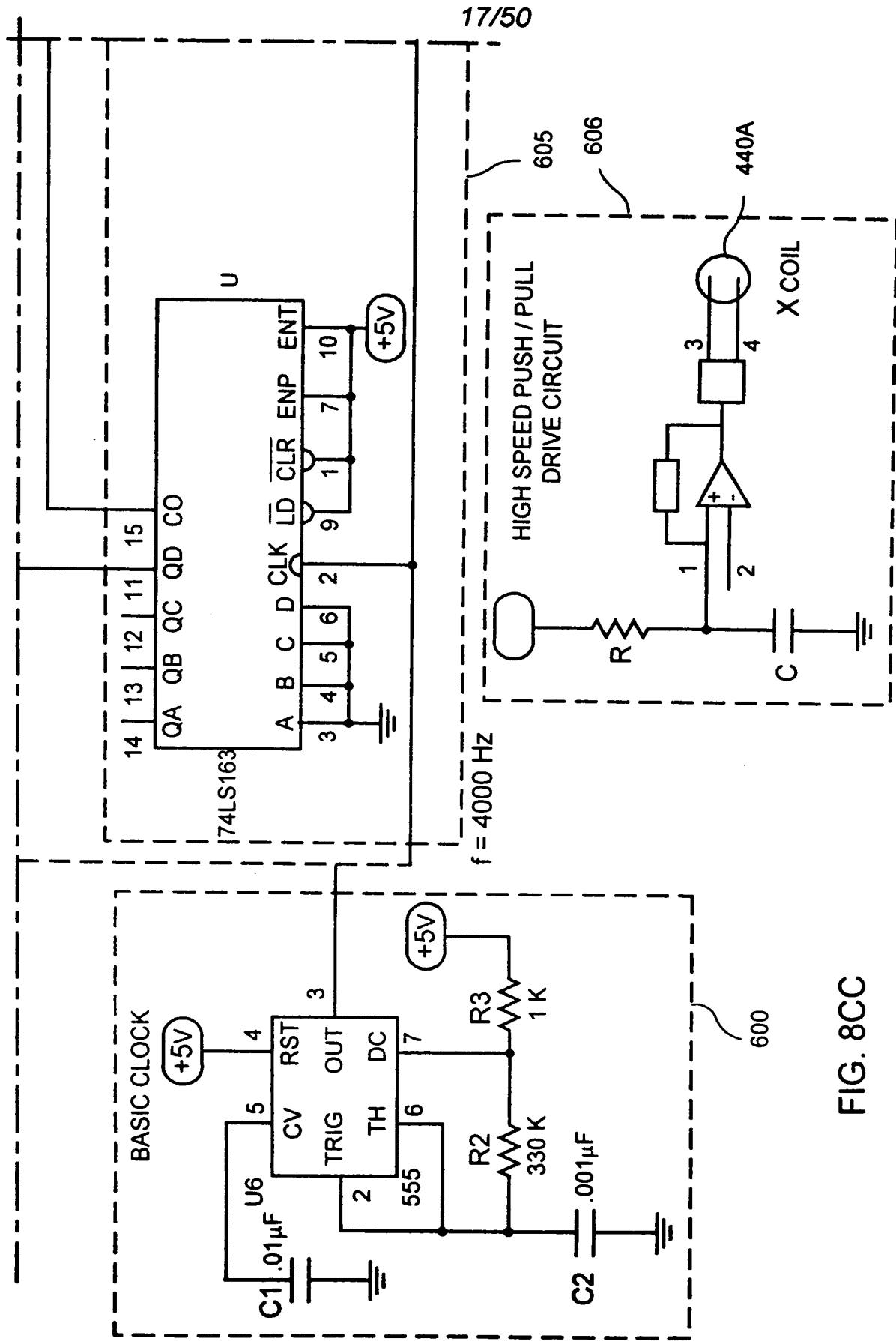


FIG. 8CC

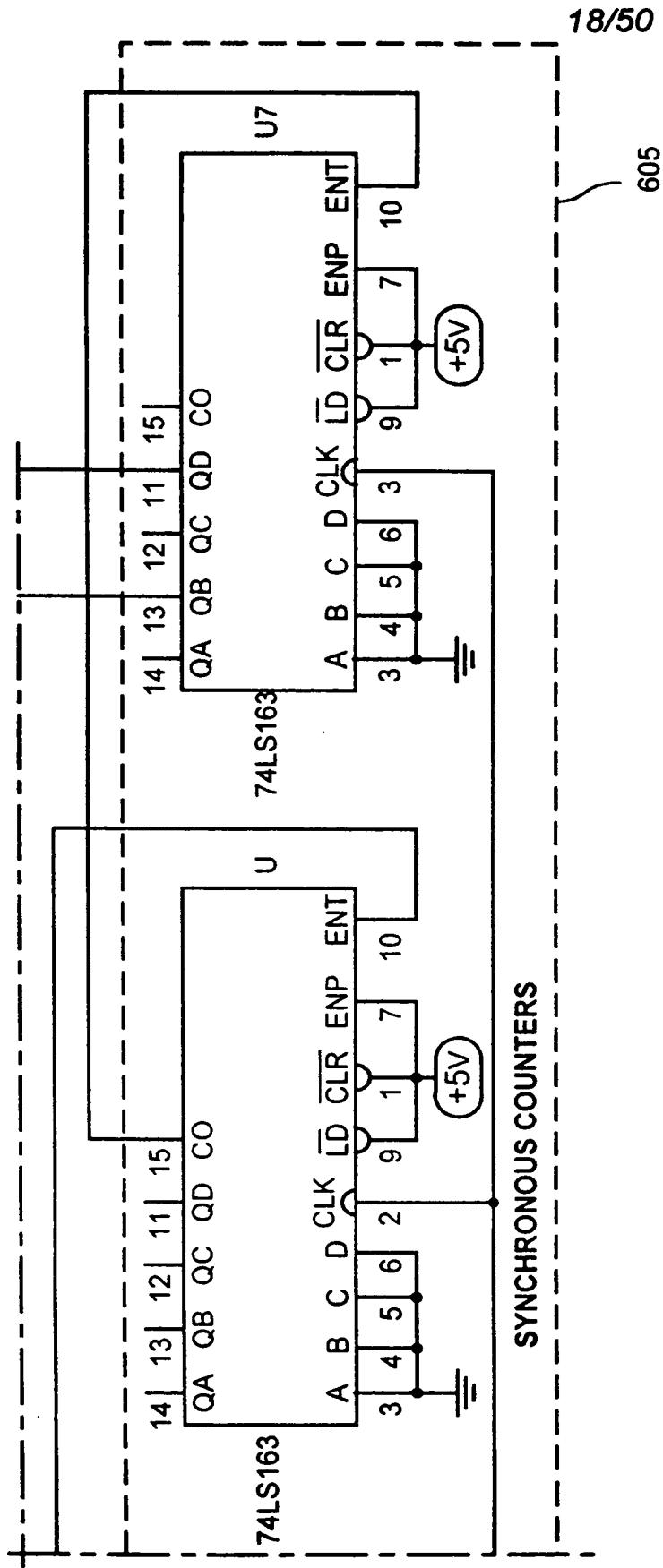


FIG. 8CD

ELECTRONICALLY-CONTROLLED POTENTIOMETER CIRCUIT

601(43)

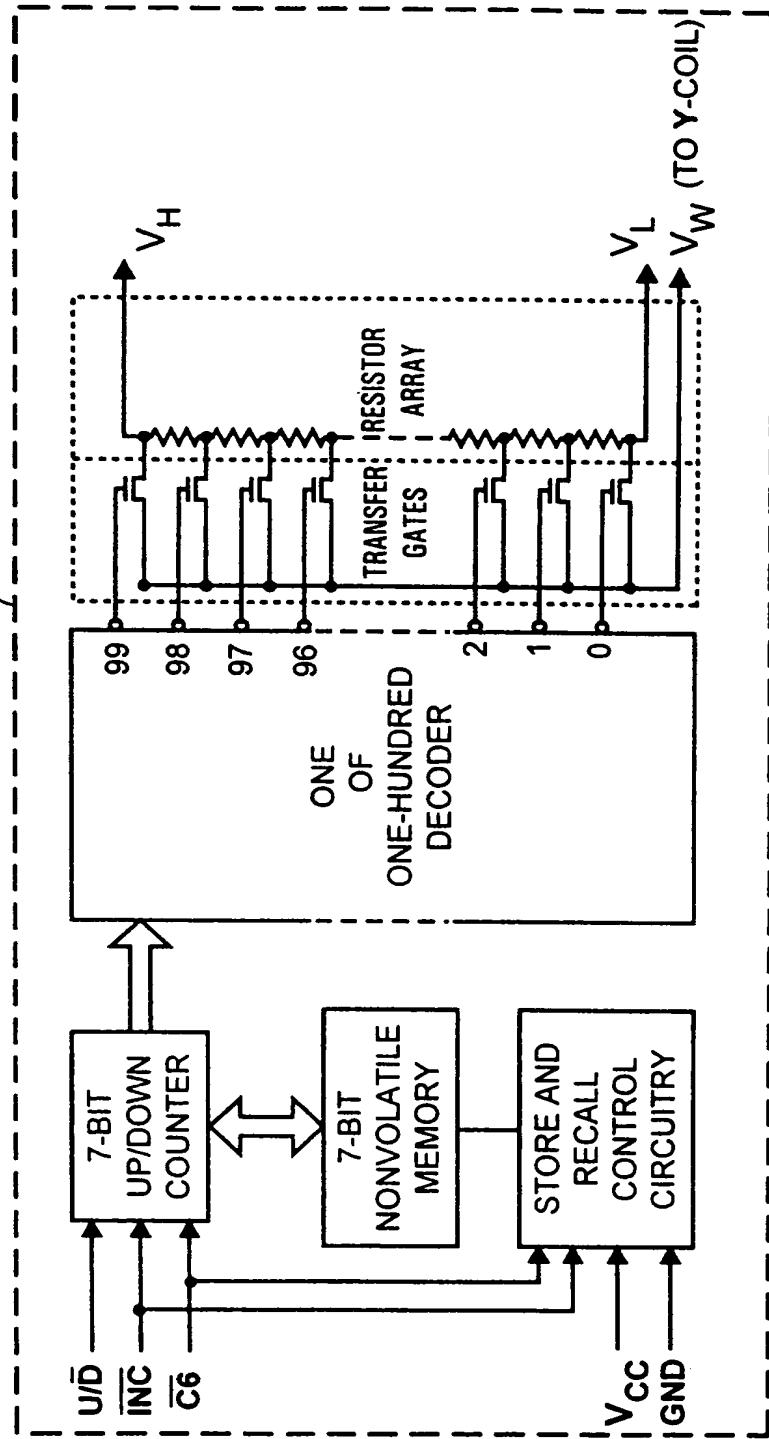
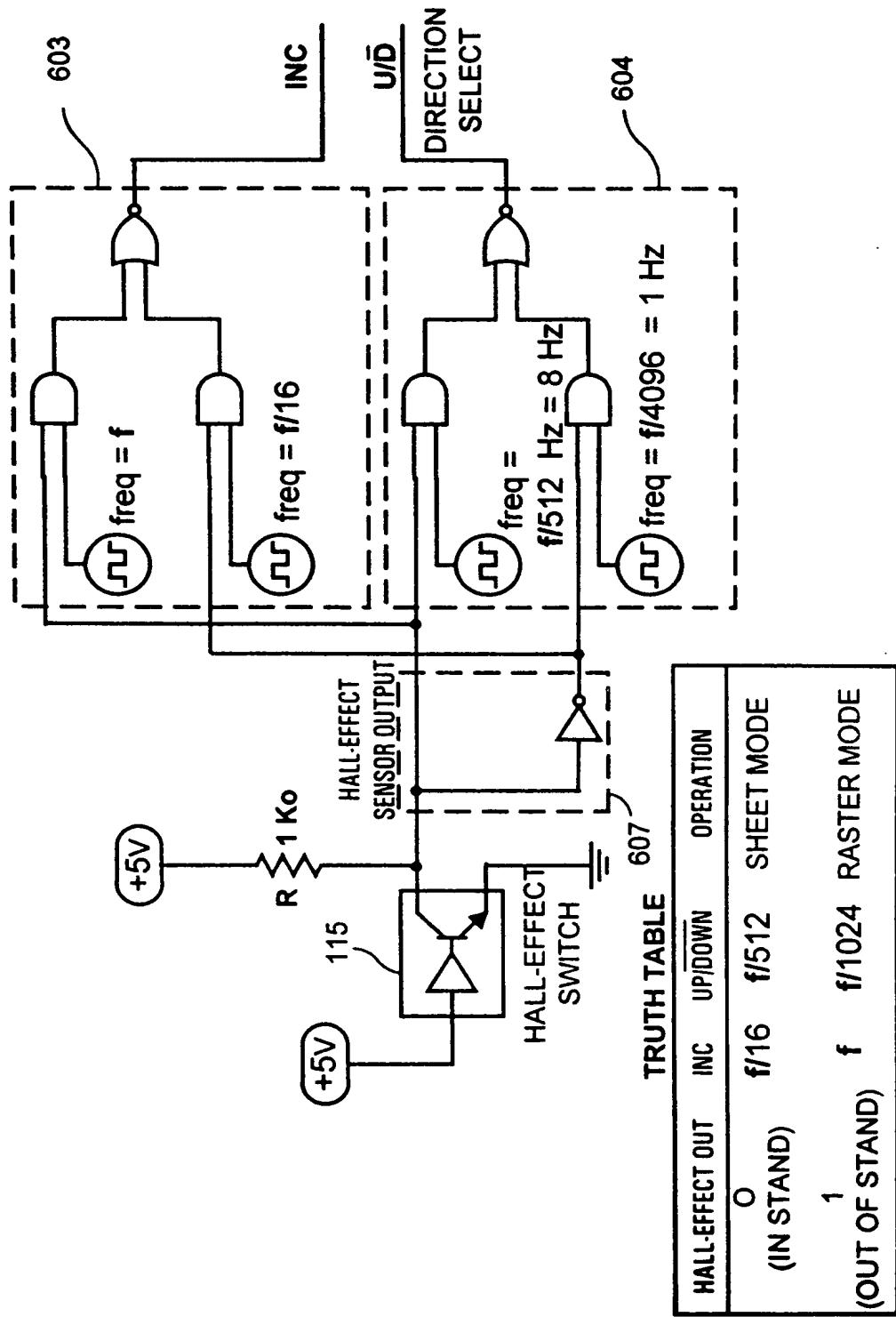


FIG. 8C1



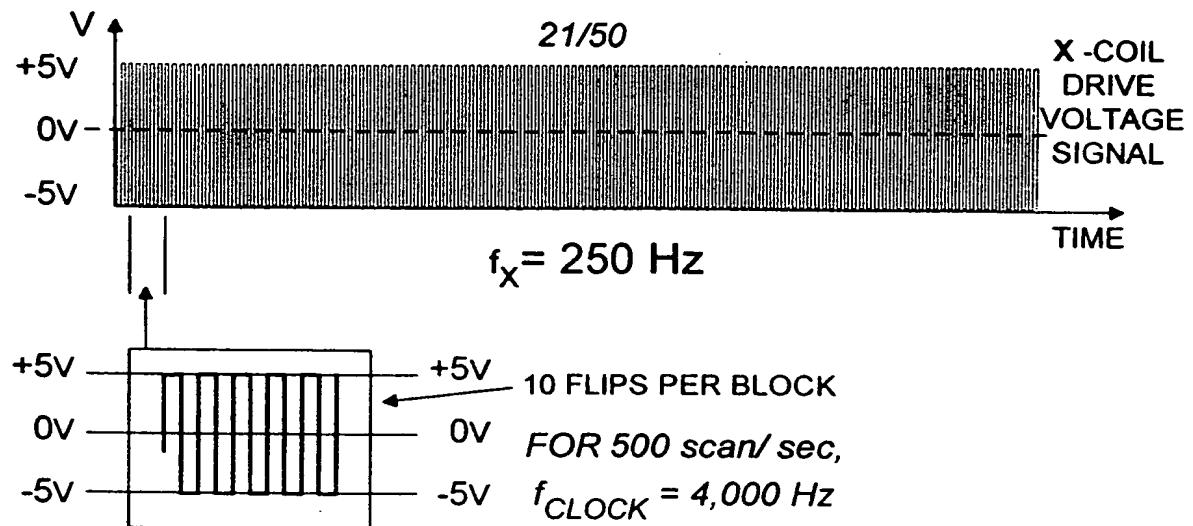


FIG. 8D1

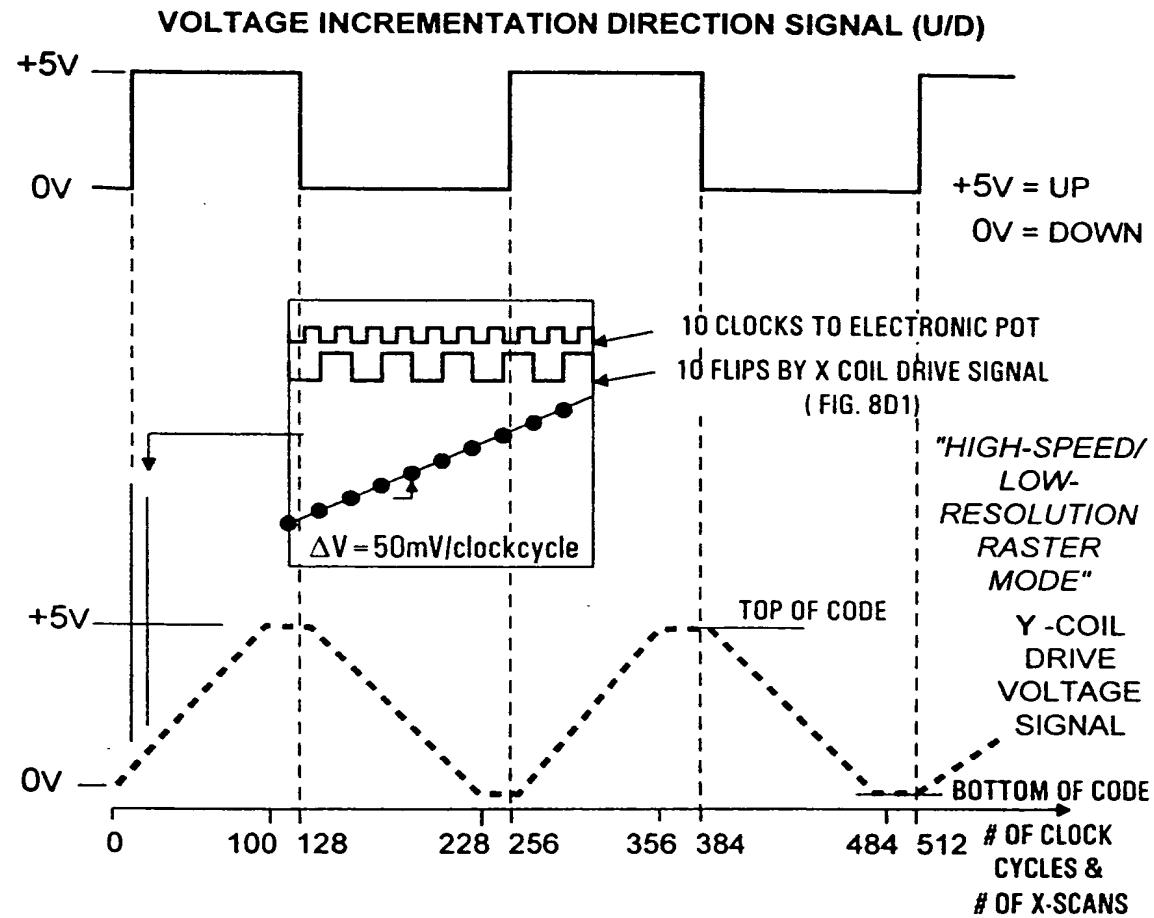


FIG. 8D2

VOLTAGE INCREMENTATION DIRECTION SIGNAL (U/D)

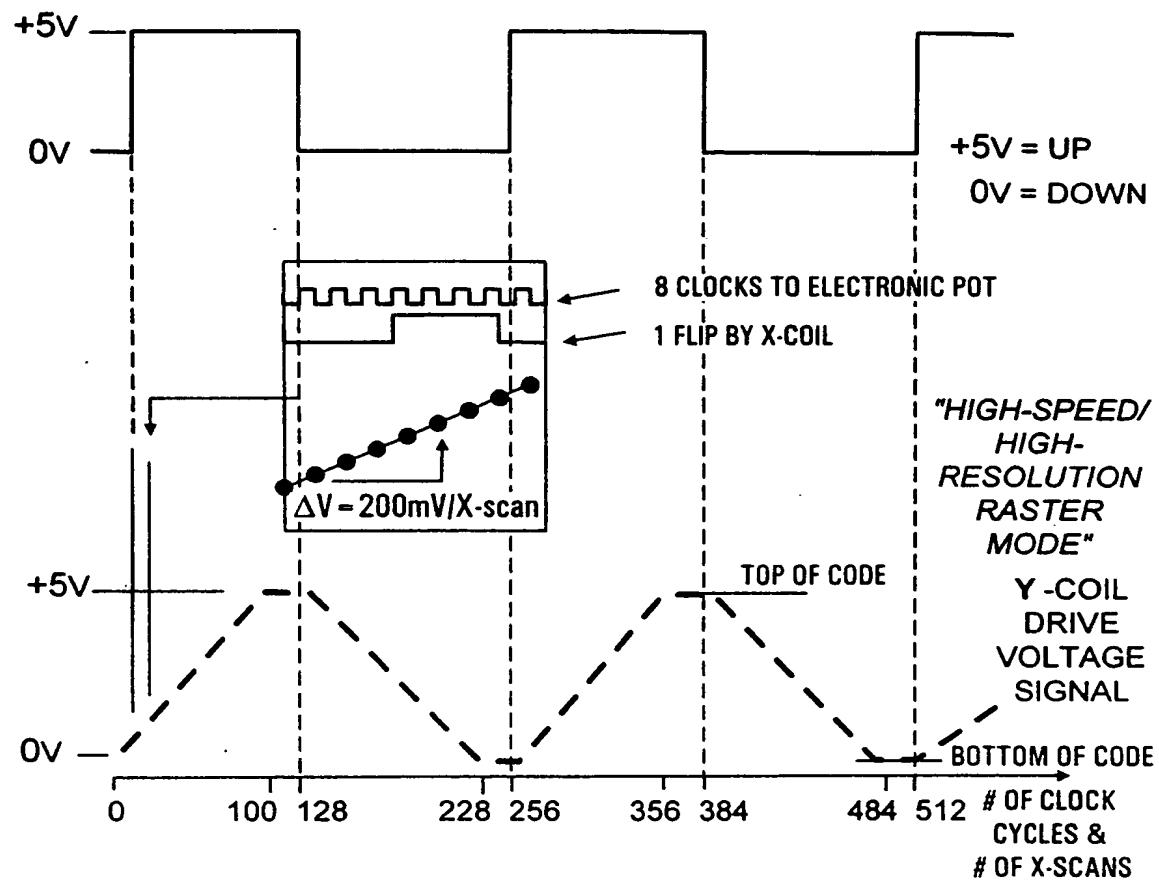


FIG. 8D3

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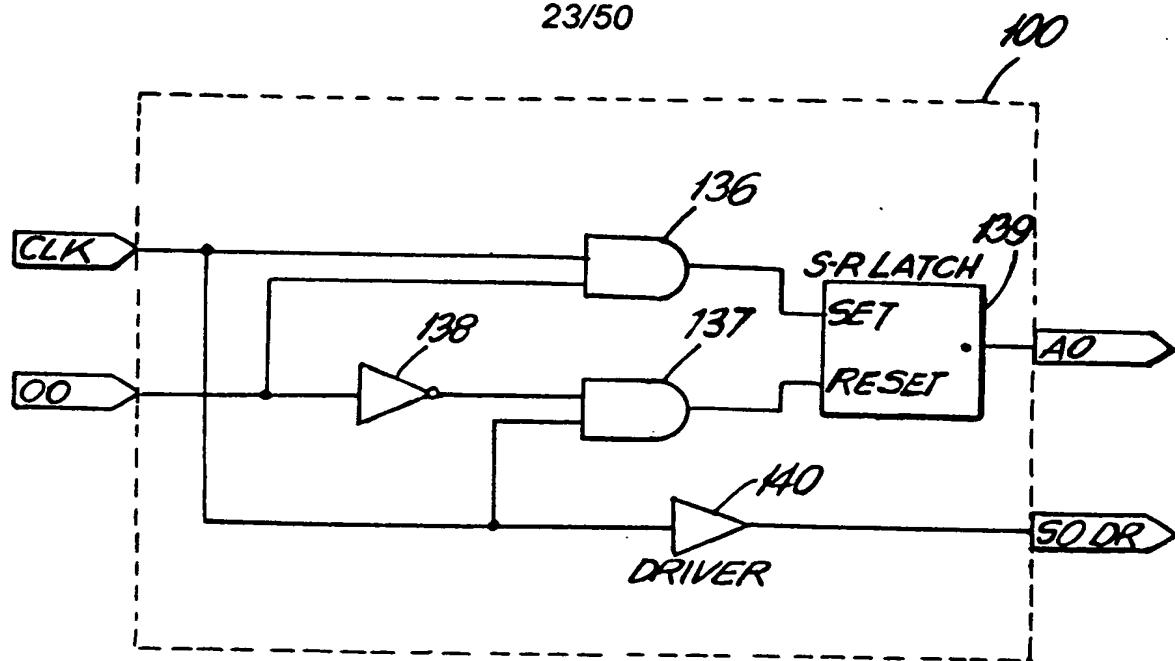


FIG. 8E

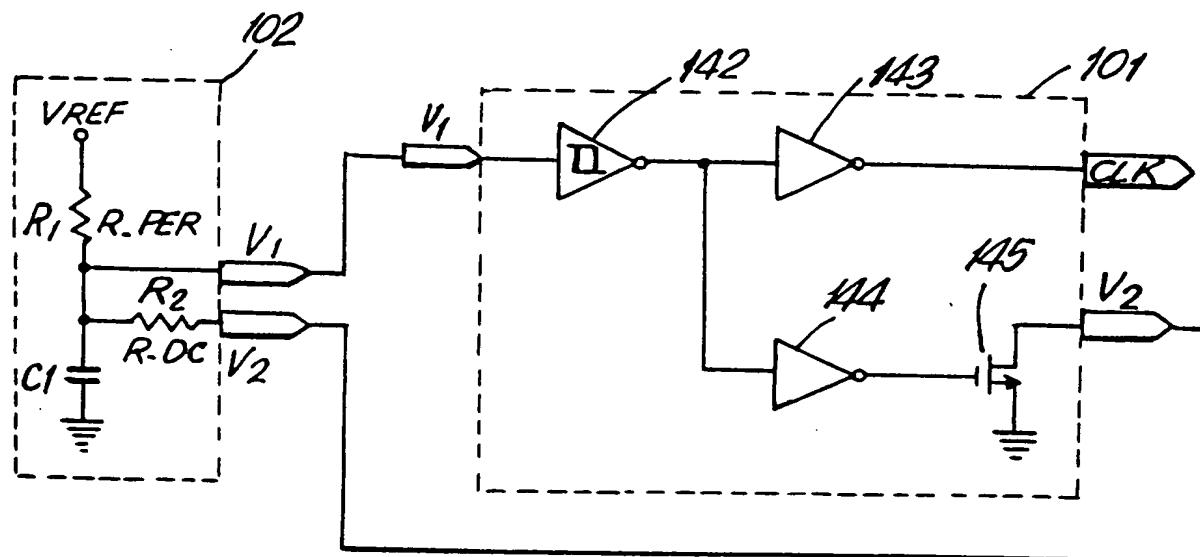


FIG. 8F

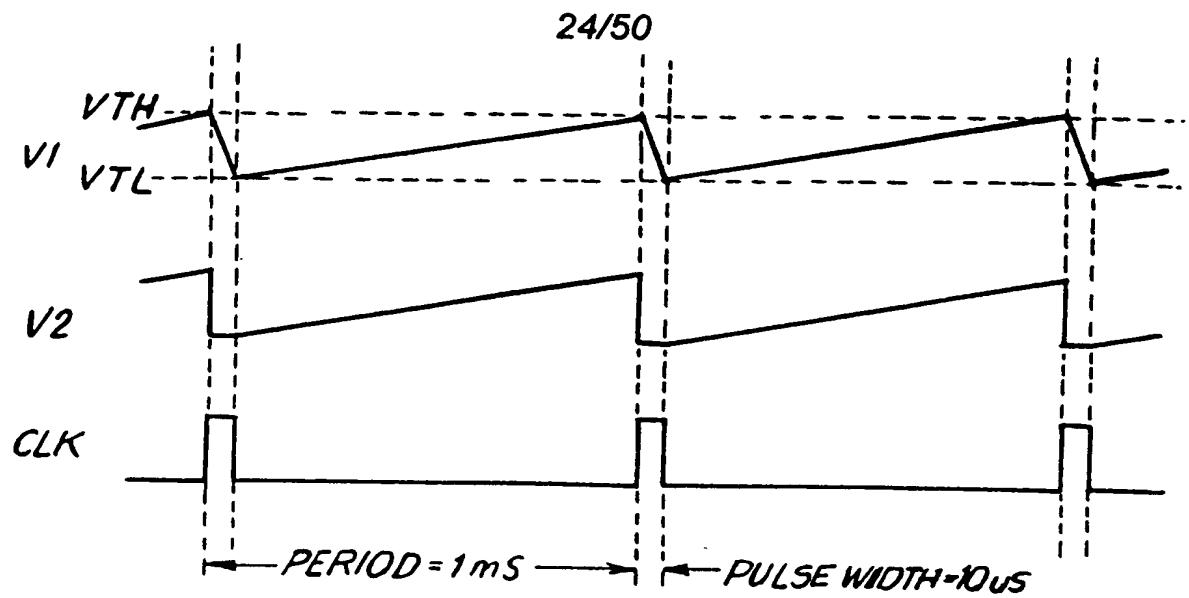


FIG. 8G

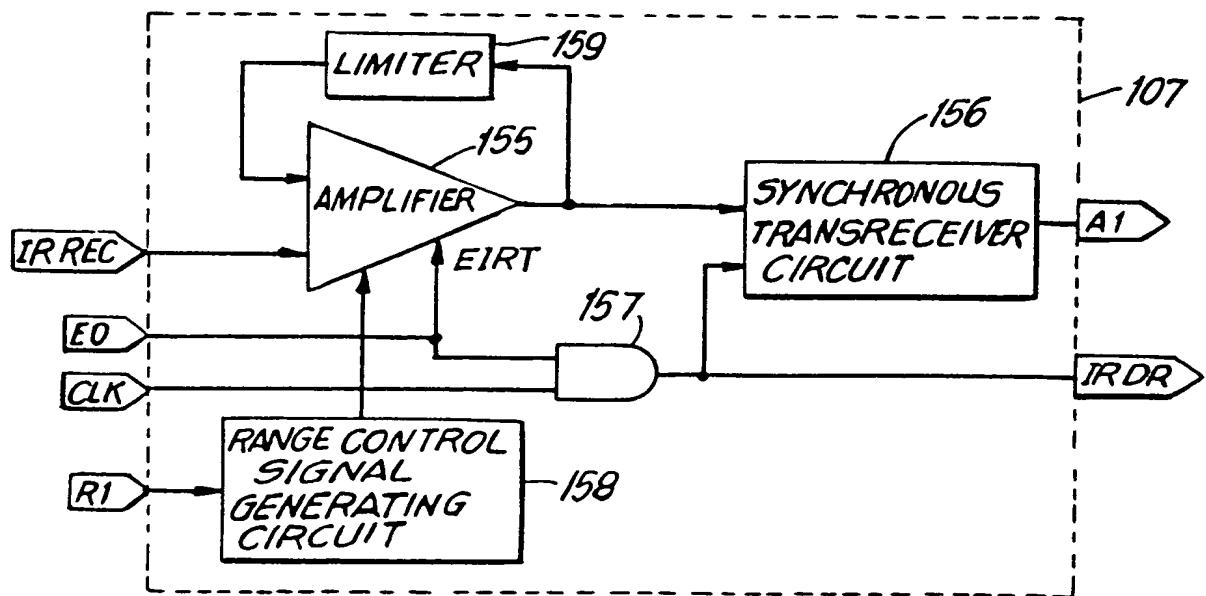


FIG. 8H

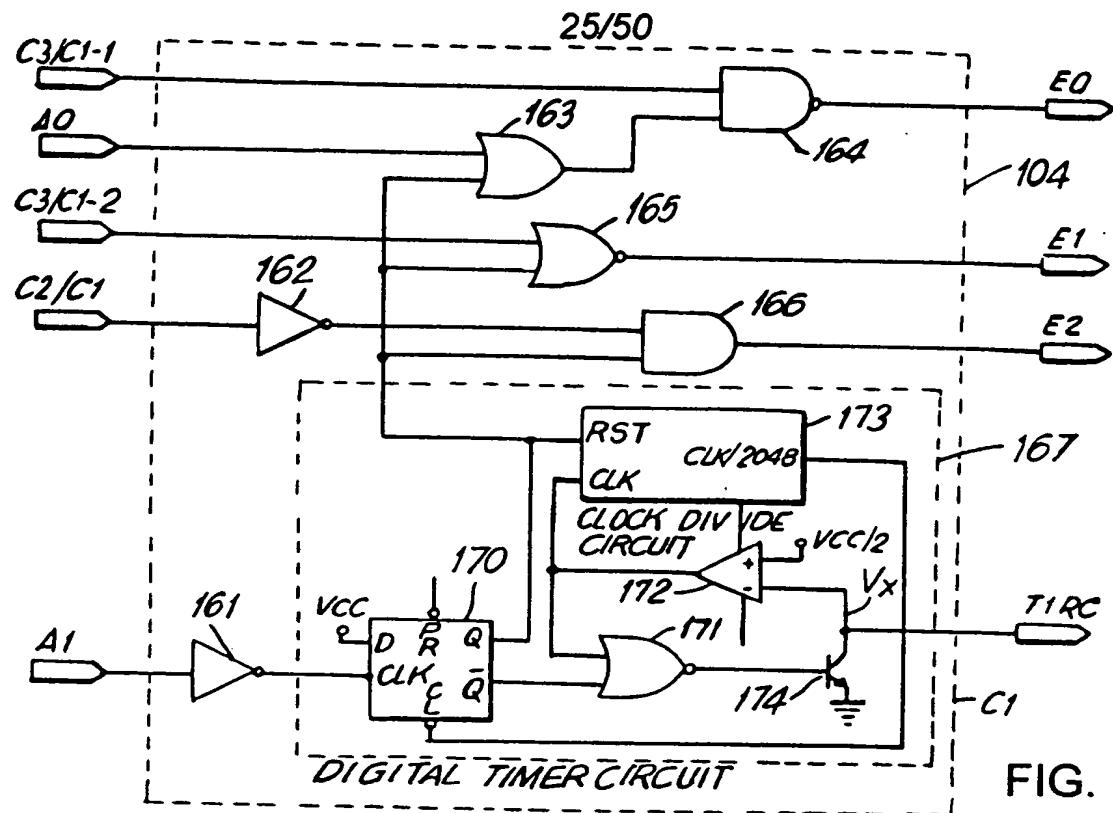


FIG. 81

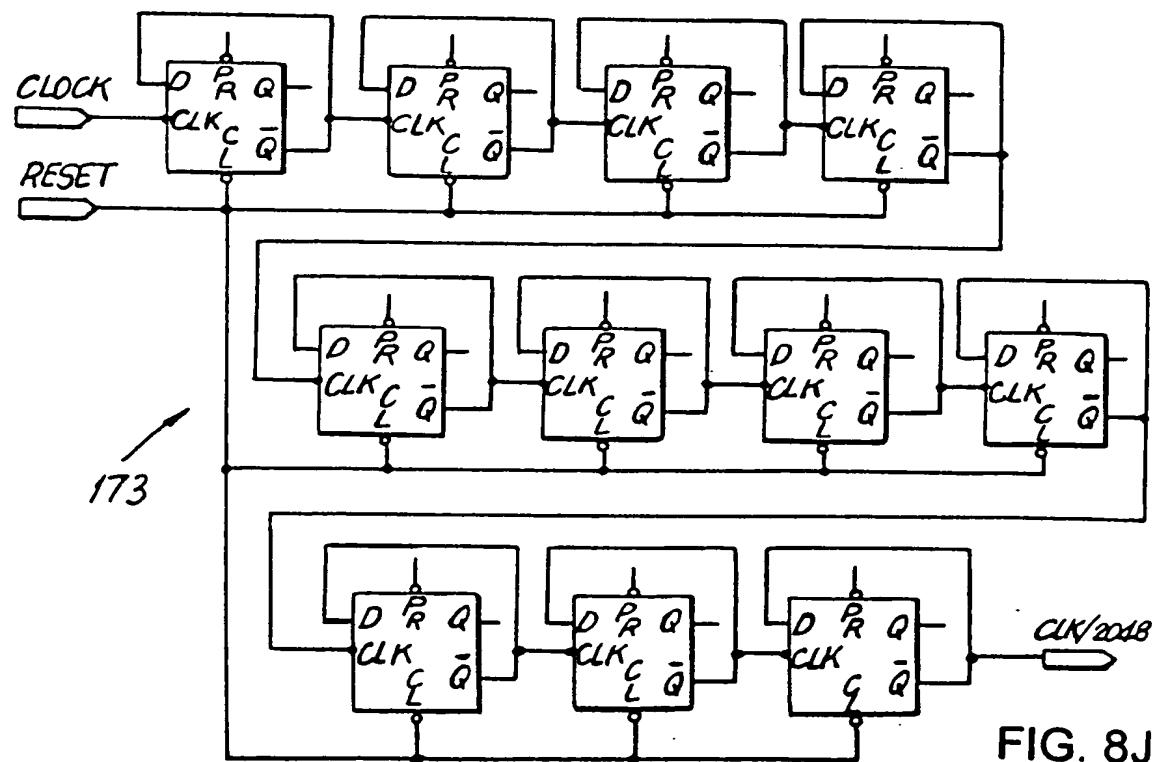


FIG. 8J

$$E_0 = \frac{(B + A_0)(C_3 / C_2 - 1)}{(C_3 / C_2 - 2) + B}$$

$$E_1 = (C_3 / C_2 - 2) + B$$

$$E_2 = (C_2 / C_1) (T_1)$$

FIG. 8K

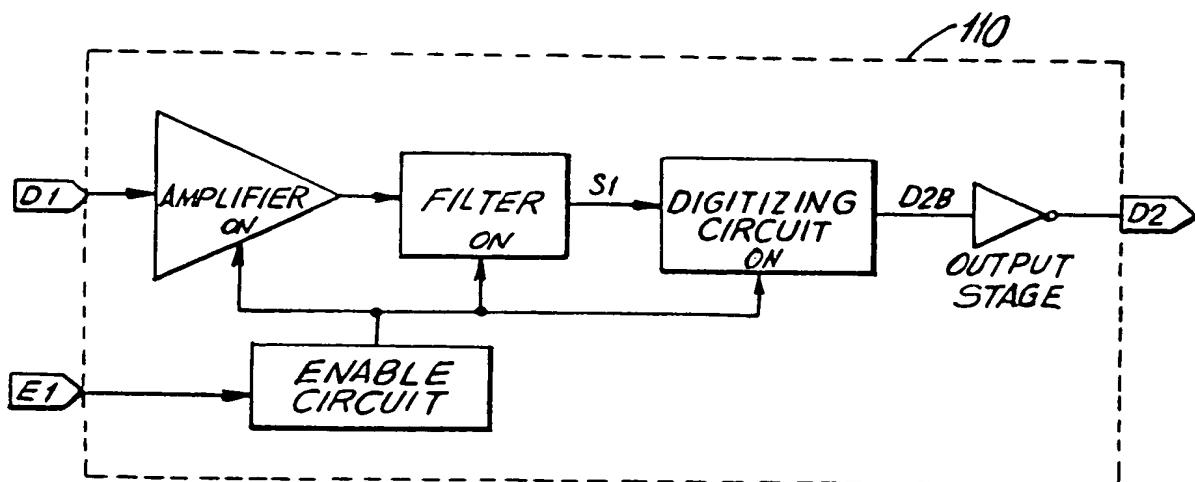


FIG. 8L

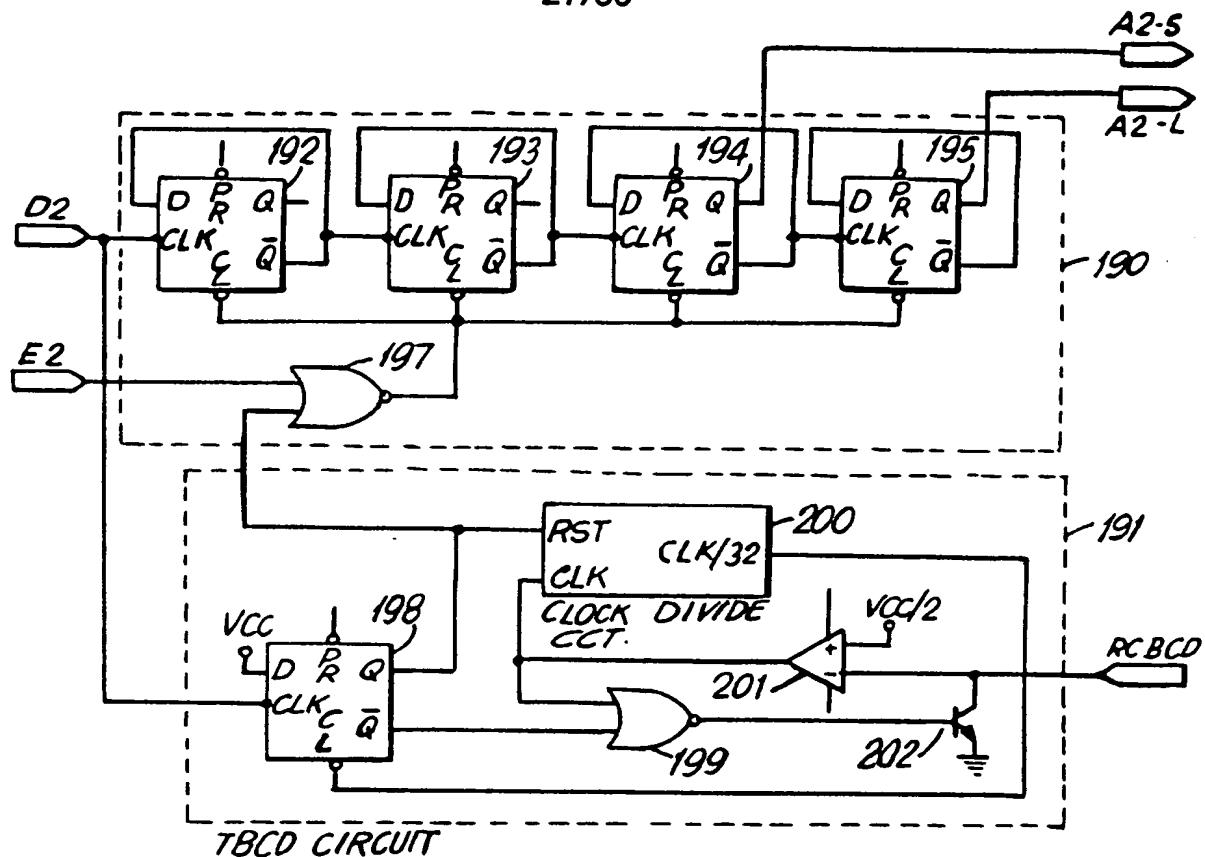


FIG. 8M

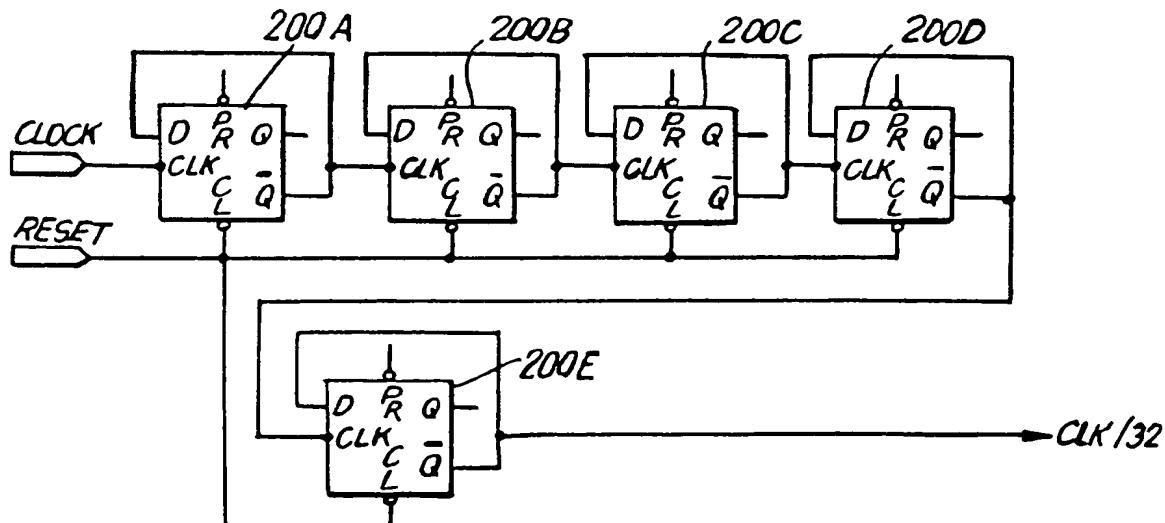


FIG. 8N

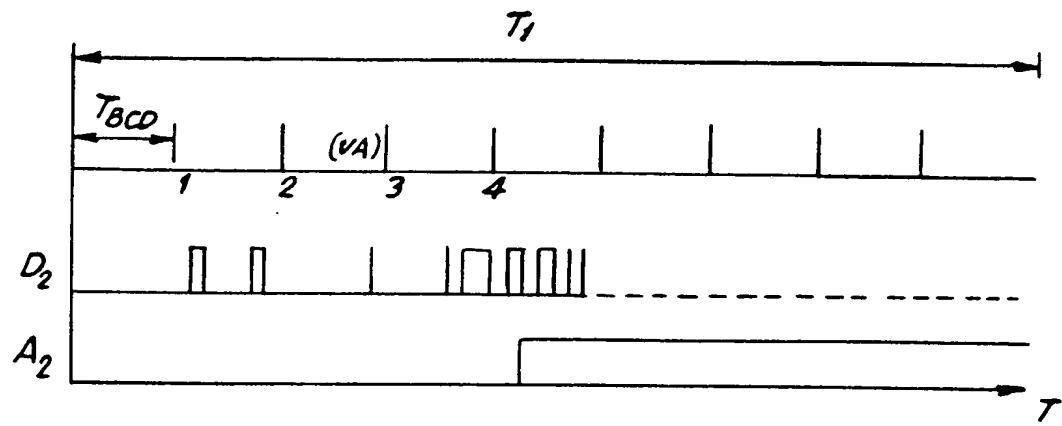


FIG. 8O

R	C_3/C_2-1	C_3/C_2-2	E_3	C_2/C_1
0	X	X	A_{2L}	0
1	0	0	A_{2L}	0
1	0	1	A_{2S}	0
X	1	1	X	1

$X = \text{DON'T CARE}$

FIG. 8Q

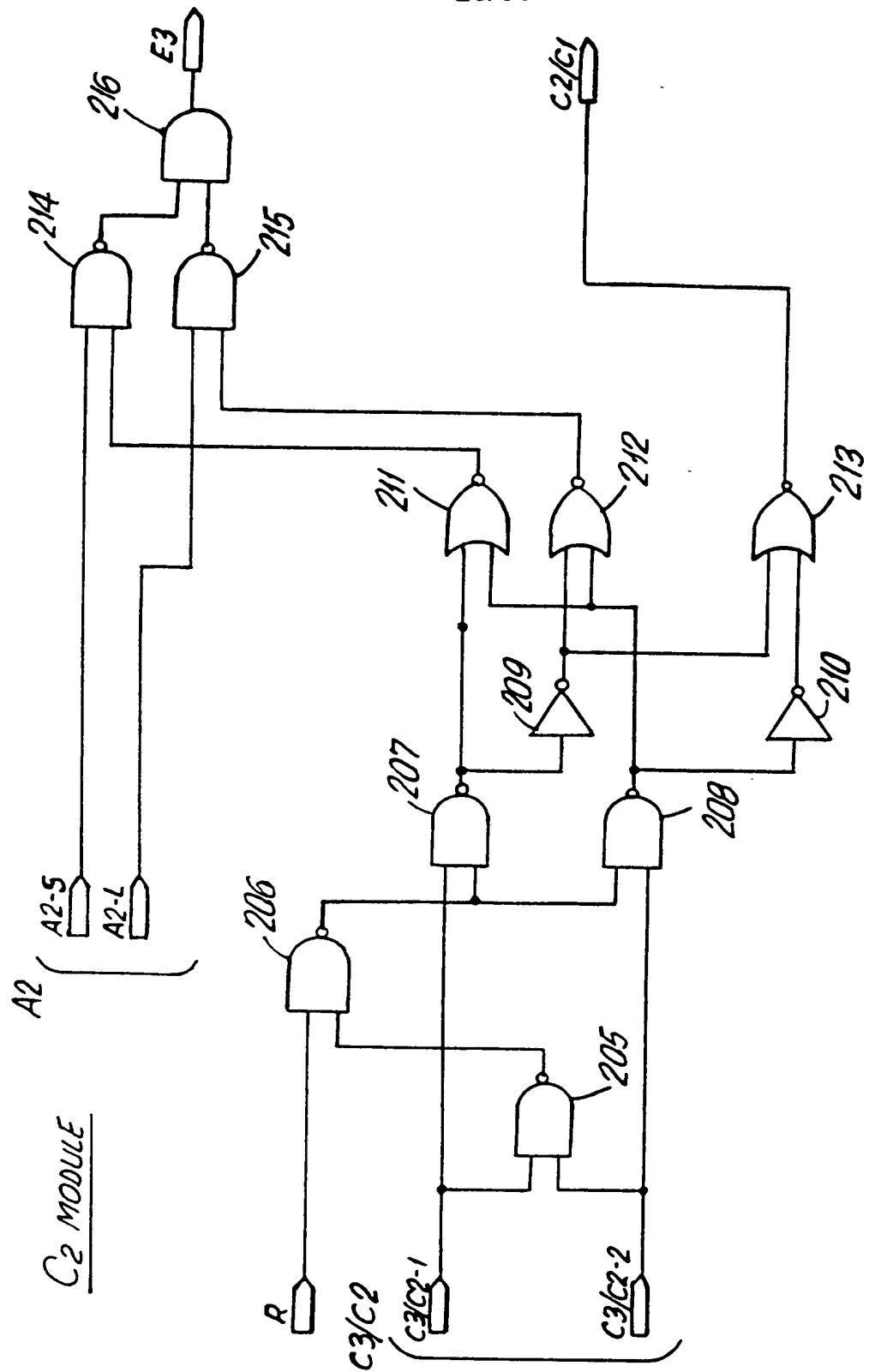


FIG. 8P

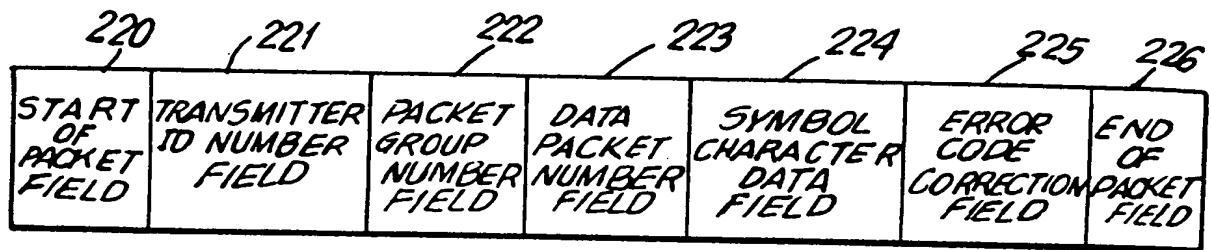


FIG. 8R

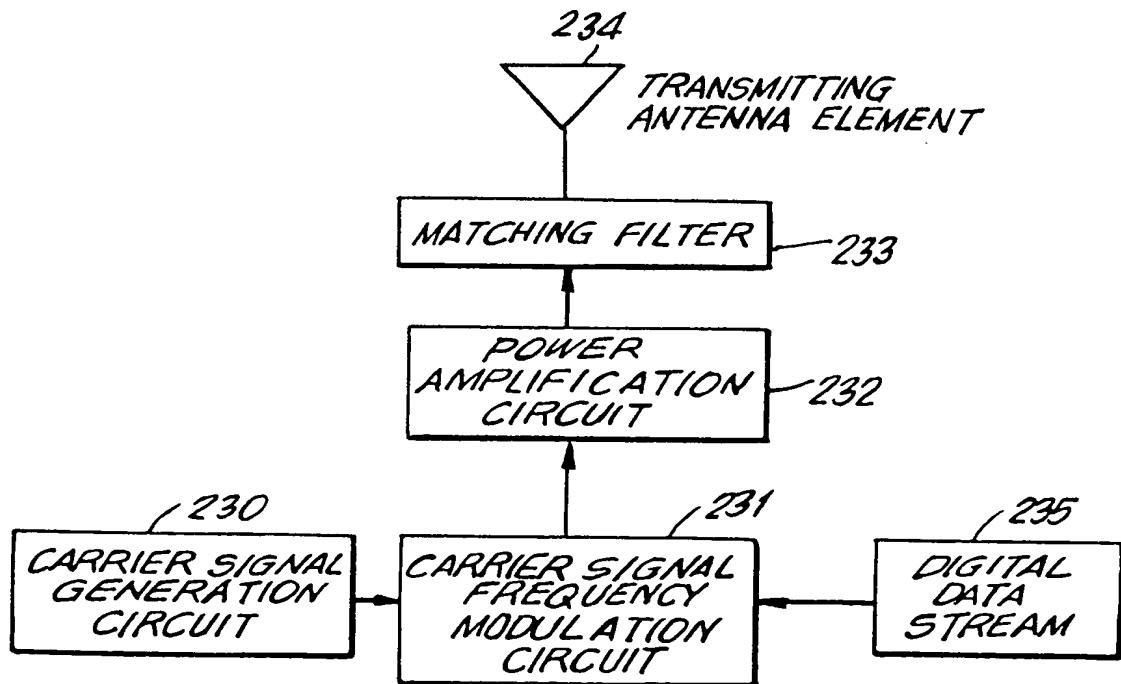


FIG. 9

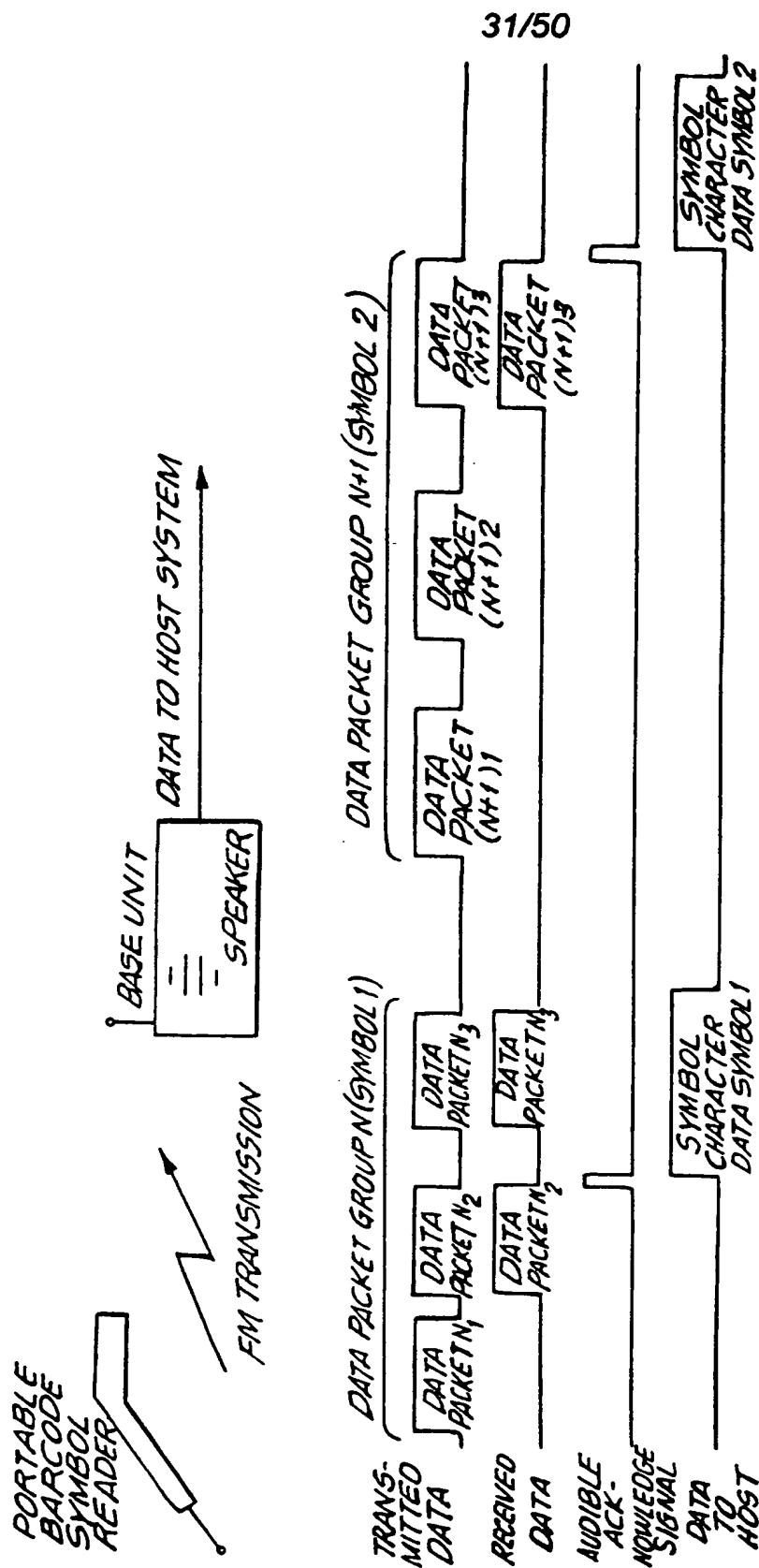


FIG. 10

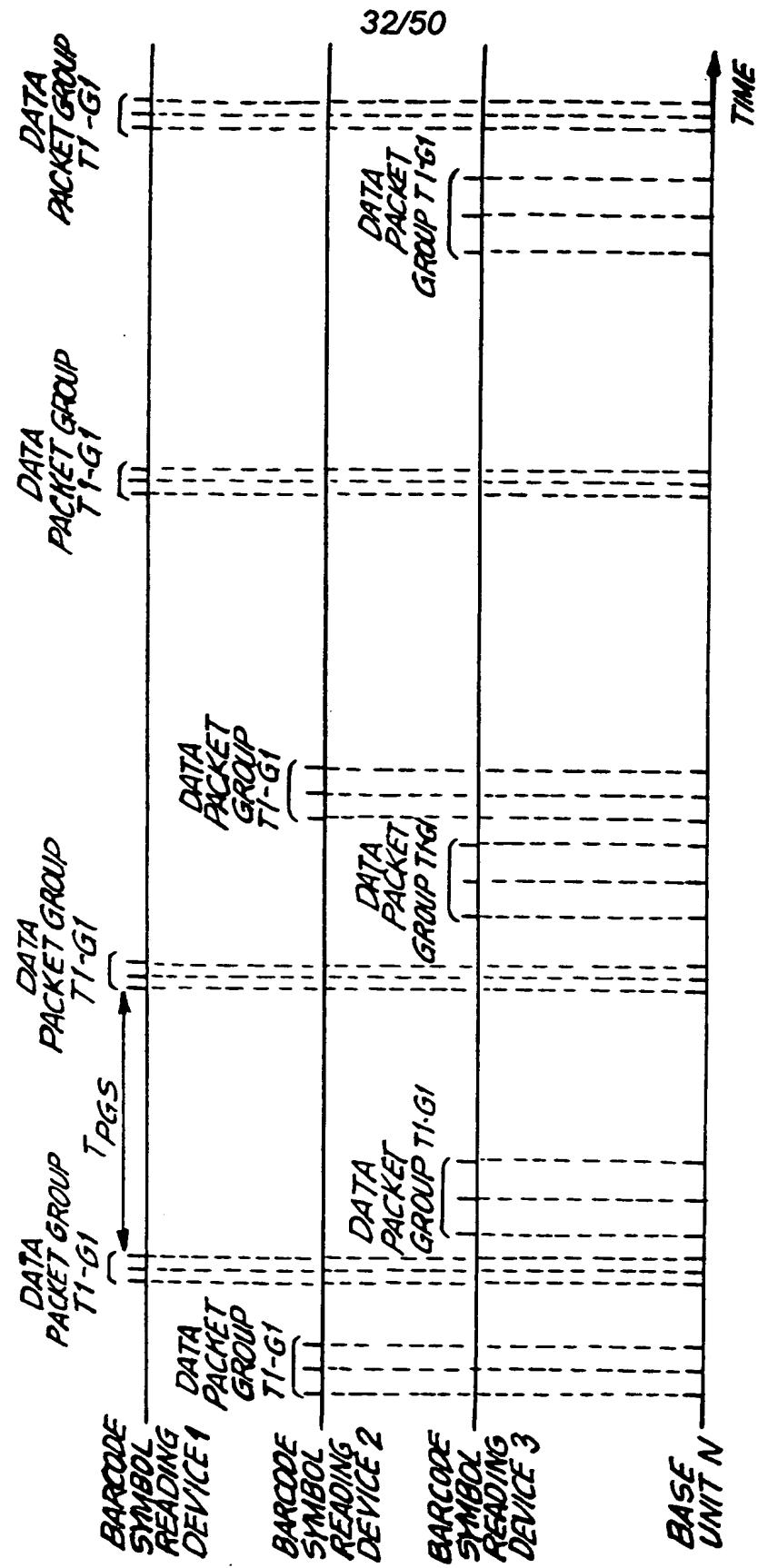


FIG. 1

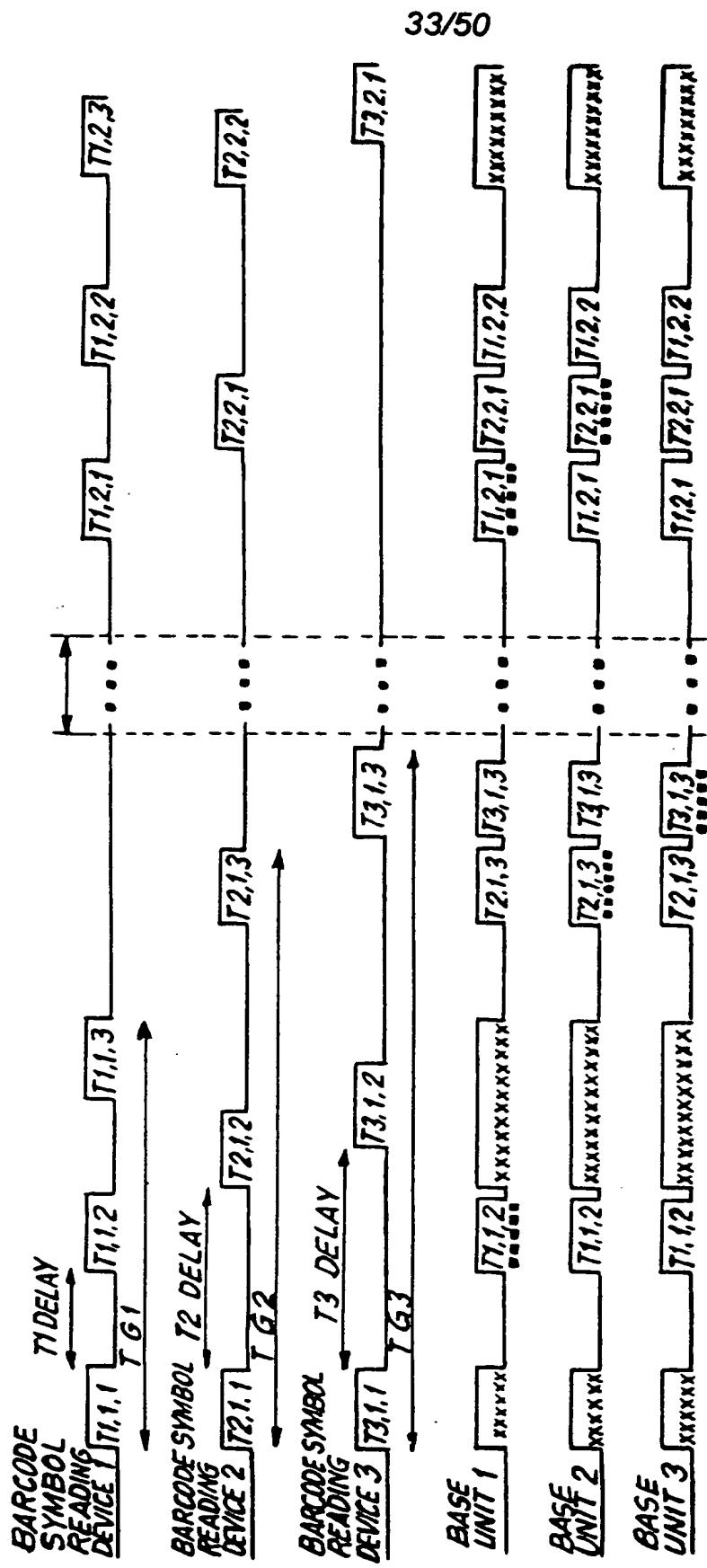


FIG. 12

DATA PACKET NOTATION:
TRANSMITTER #, GROUP #, TRANSMITTER #
xxx **DENOTES INTERFERENCE FROM MULTIPLE TRANSMITTERS**
....... **DENOTES DATA THAT WILL PRODUCE ACKNOWLEDGE**

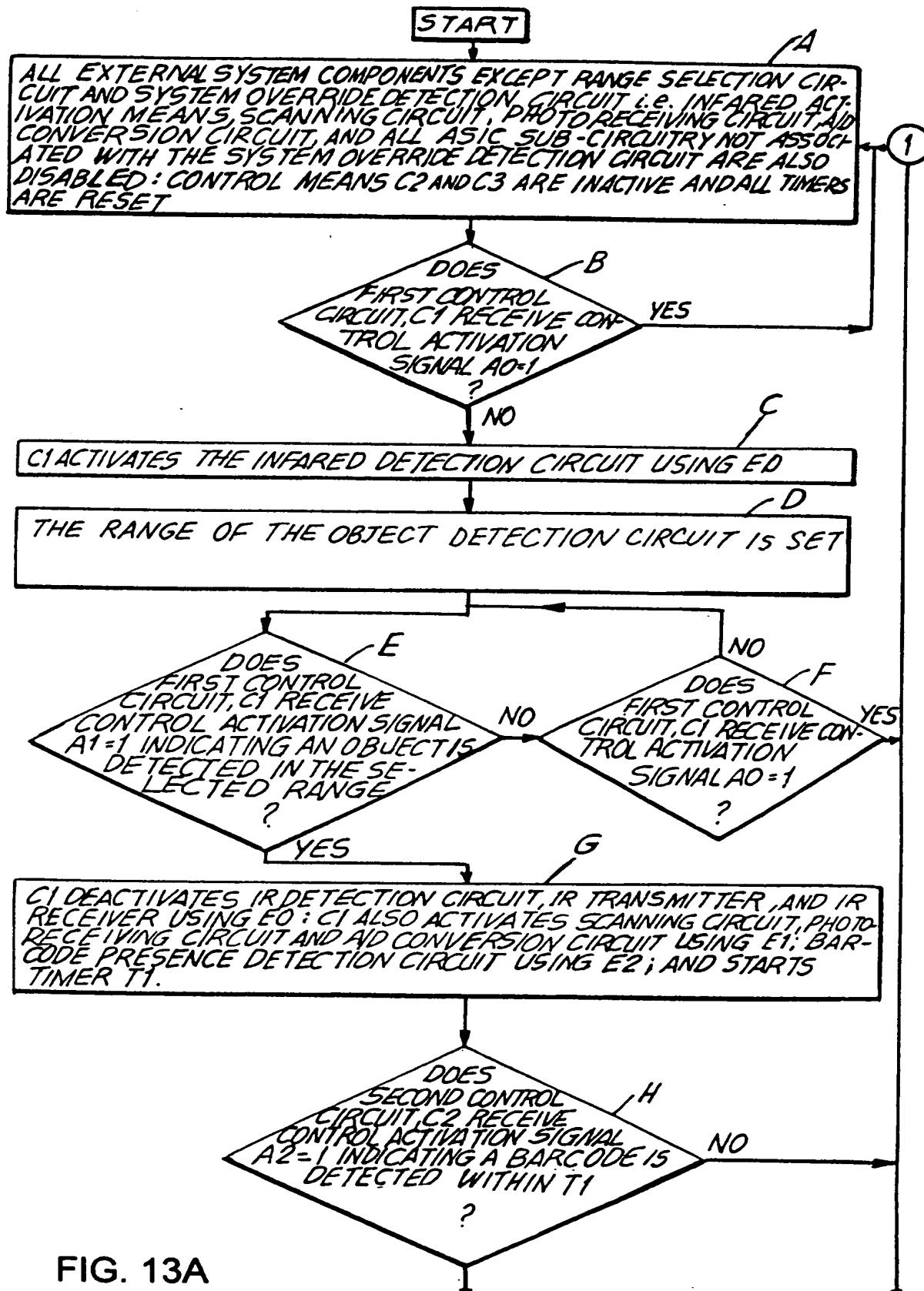


FIG. 13A

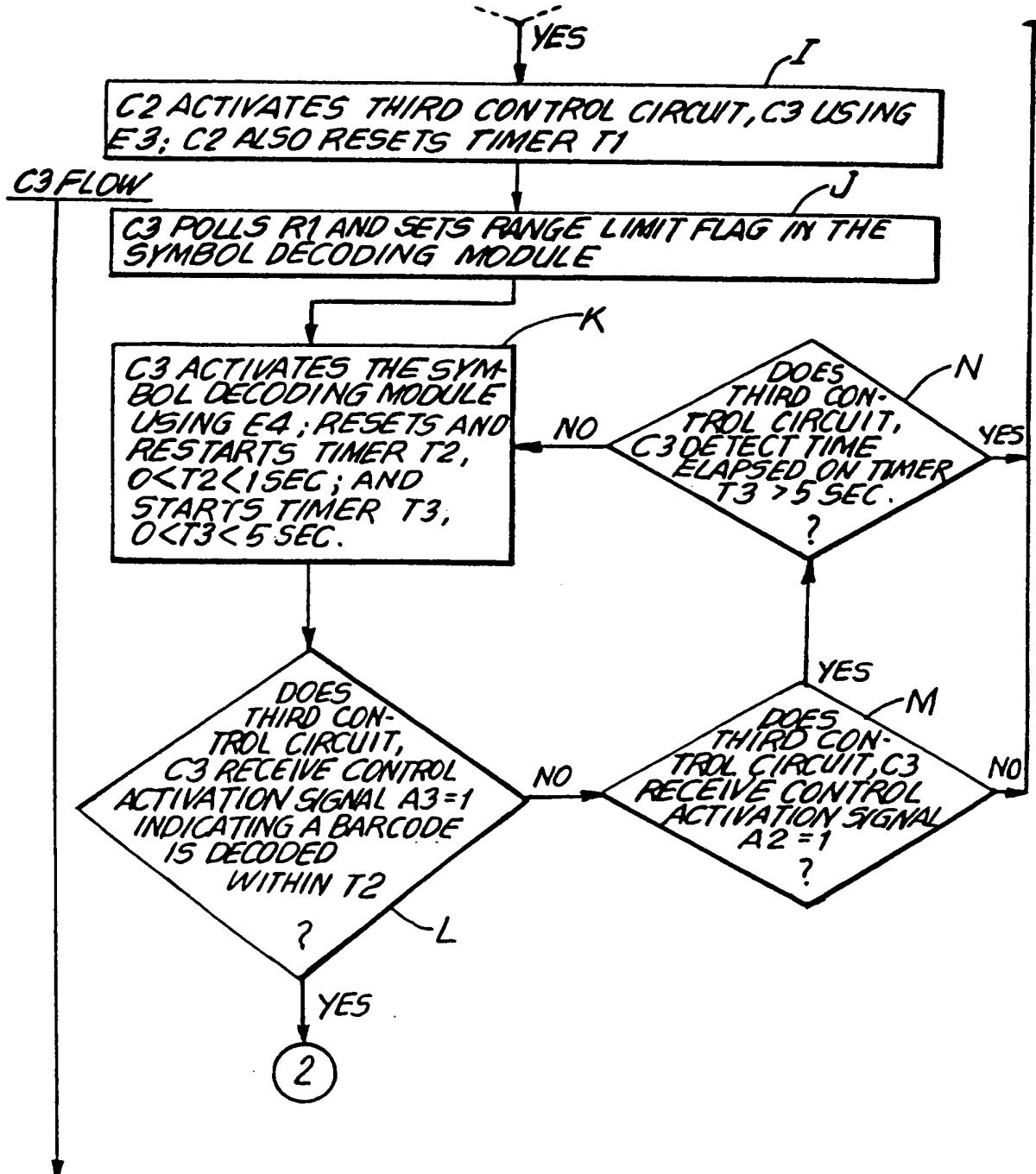


FIG. 13AA

C3 FLOW

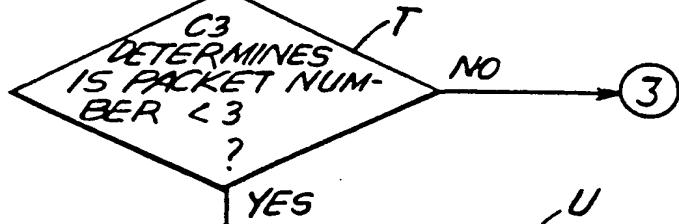
0
 THIRD CONTROL CIRCUIT C3, CONTINUES ACTIVATION OF LASER DIODE, SCANNING MOTOR PHOTORECEIVING CIRCUIT AND CONVERSION CIRCUIT; DEACTIVATES SYMBOL DECODING MODULE; AND COMMENCES ACTIVATION OF DATA PACKET SYNTHESIS MODULE

P
 UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE SETS PACKET NUMBER TO 1 AND INCREMENTS DATA PACKET GROUP NUMBER MODULE COUNTER

Q
 UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE CONSTRUCTS DATA PACKET CONSISTING OF SYMBOL CHARACTER DATA, TRANSMITTER NUMBER, DATA PACKET GROUP NUMBER, CHECK CHARACTER AND FRAMING CHARACTERS

R
 C3 ACTIVATES DATA PACKET TRANSMISSION CIRCUIT

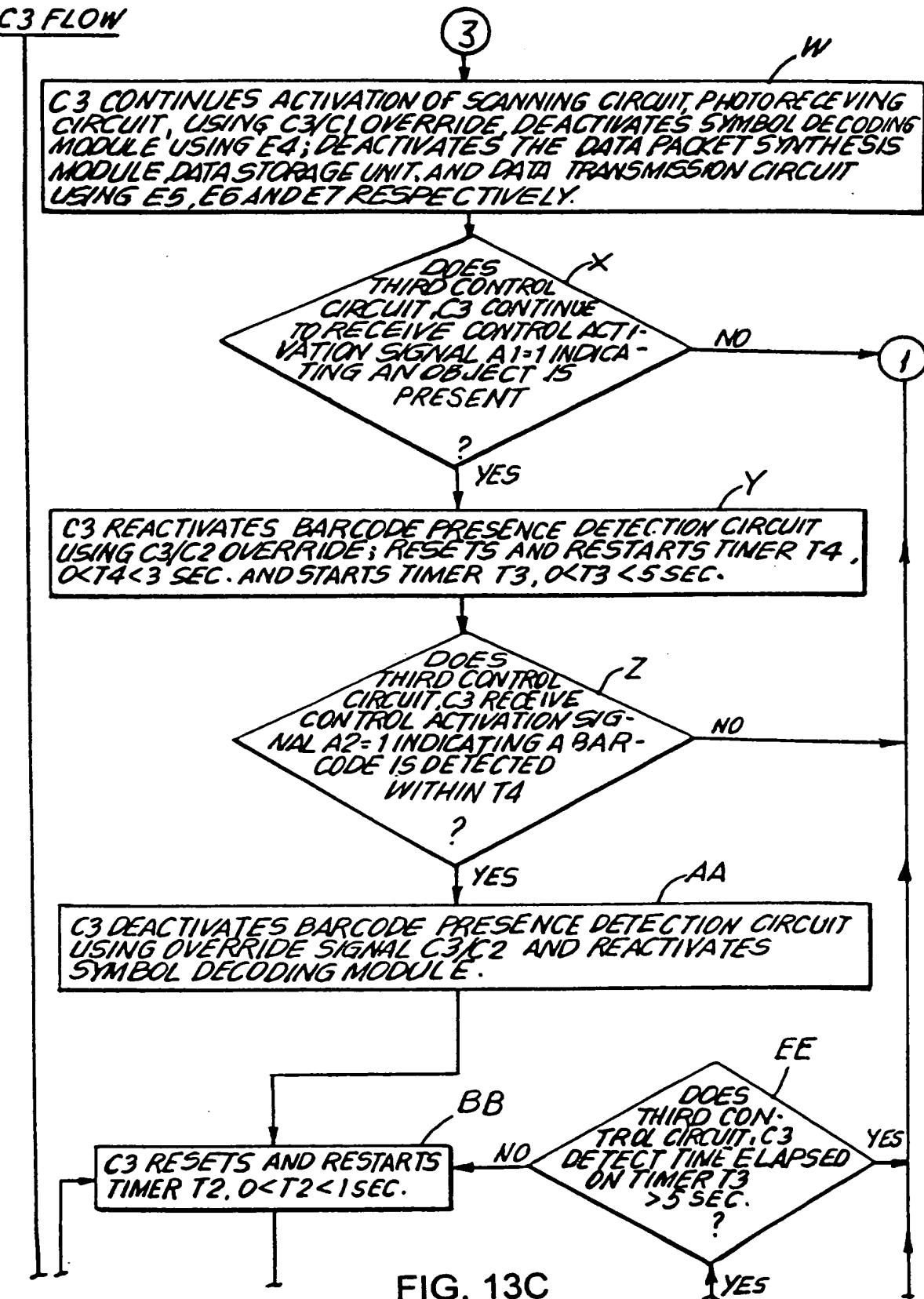
S
 UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE OUTPUTS PACKET TO DATA PACKET TRANSMISSION CIRCUIT



U
 UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE INCREMENTS DATA PACKET GROUP NUMBER

V
 C3 ALLOWS T5 TO EXPIRE IN ORDER TO DELAY TRANSMISSION BASED ON LAST TWO DIGITS OF TRANSMITTER NUMBER

FIG. 13B

C3 FLOW

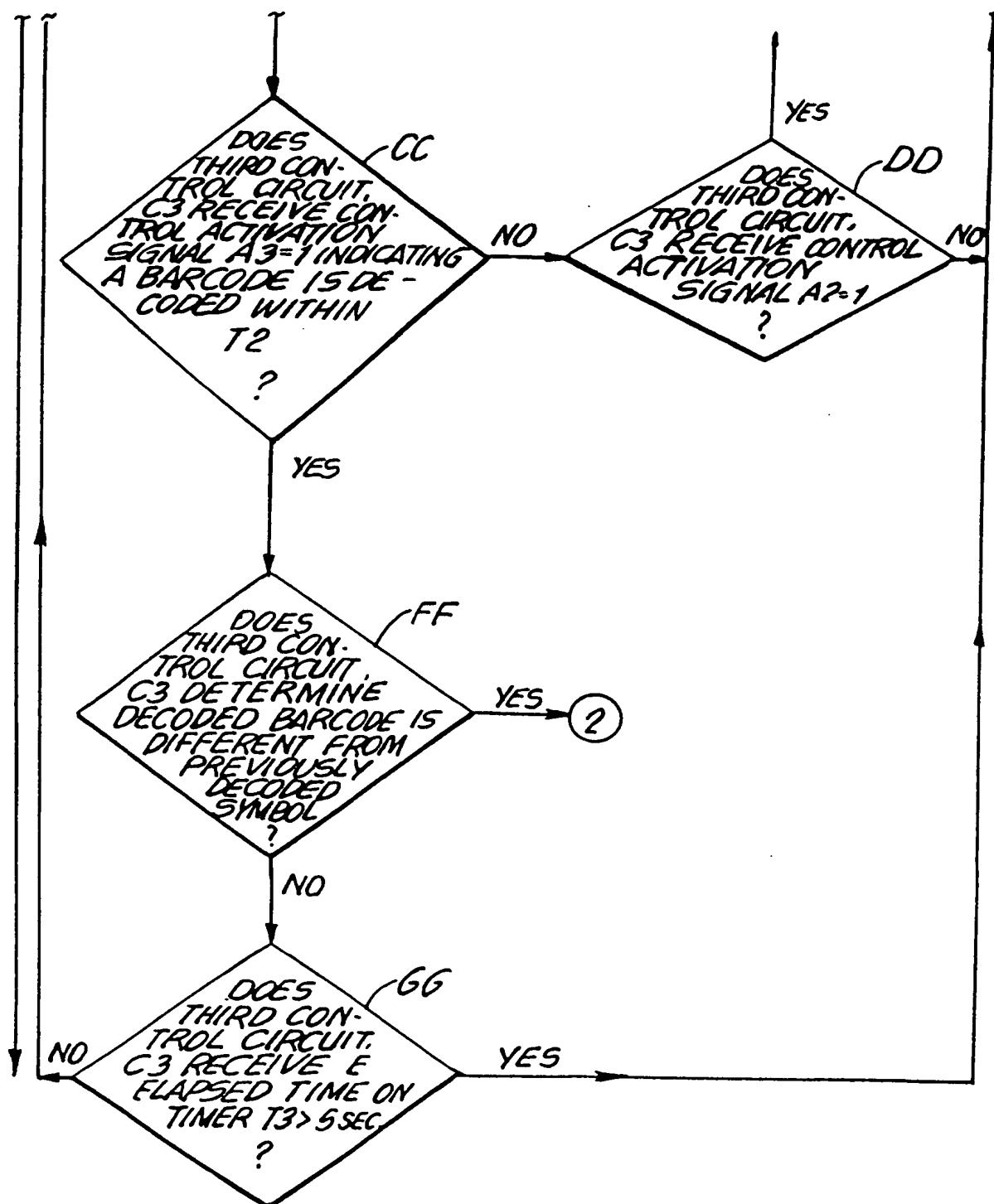


FIG. 13CC

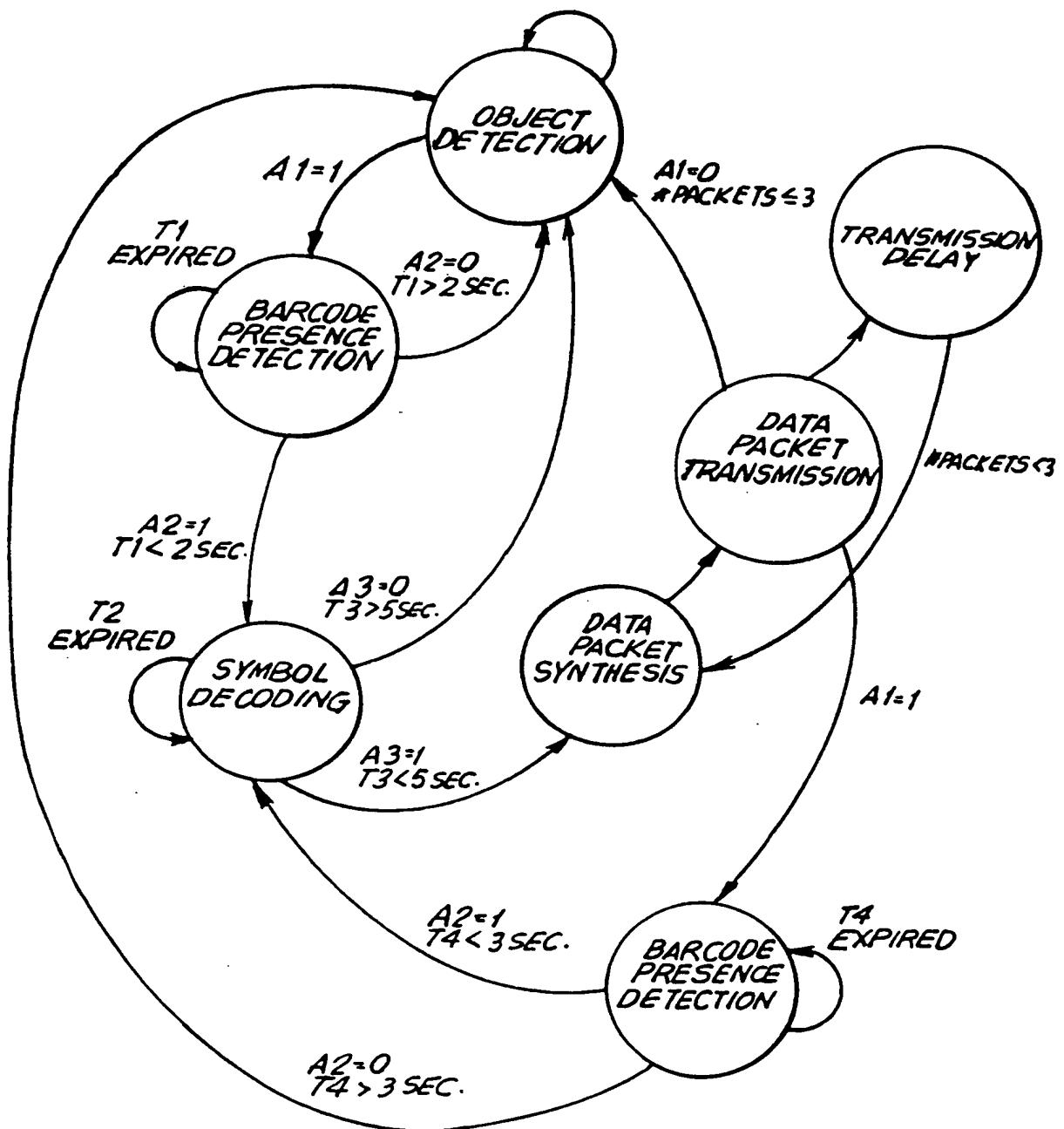
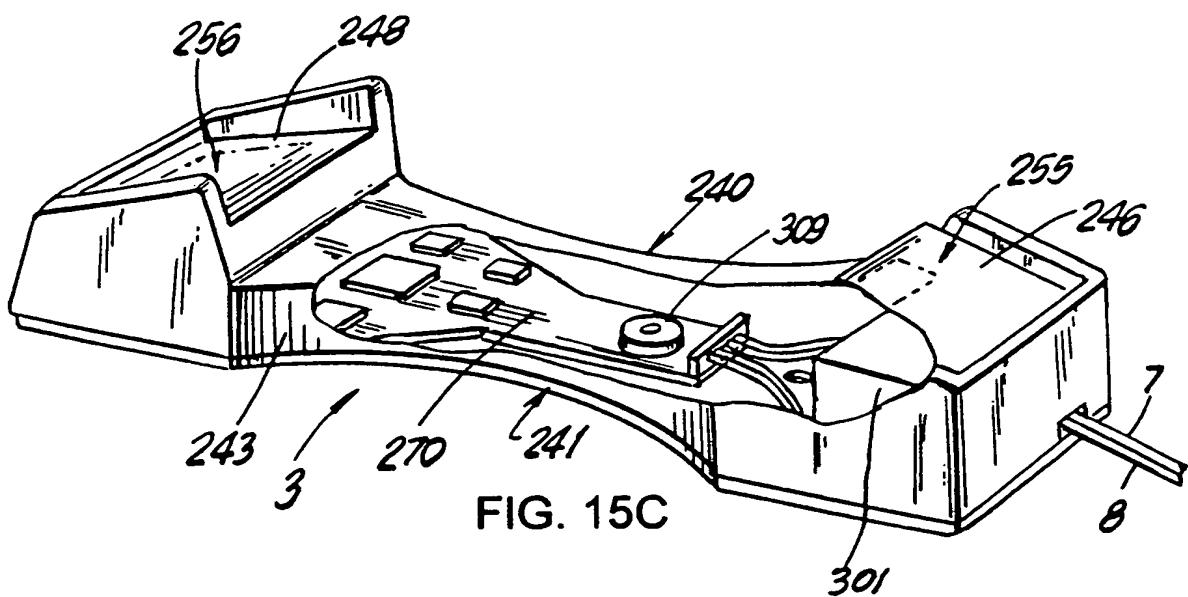
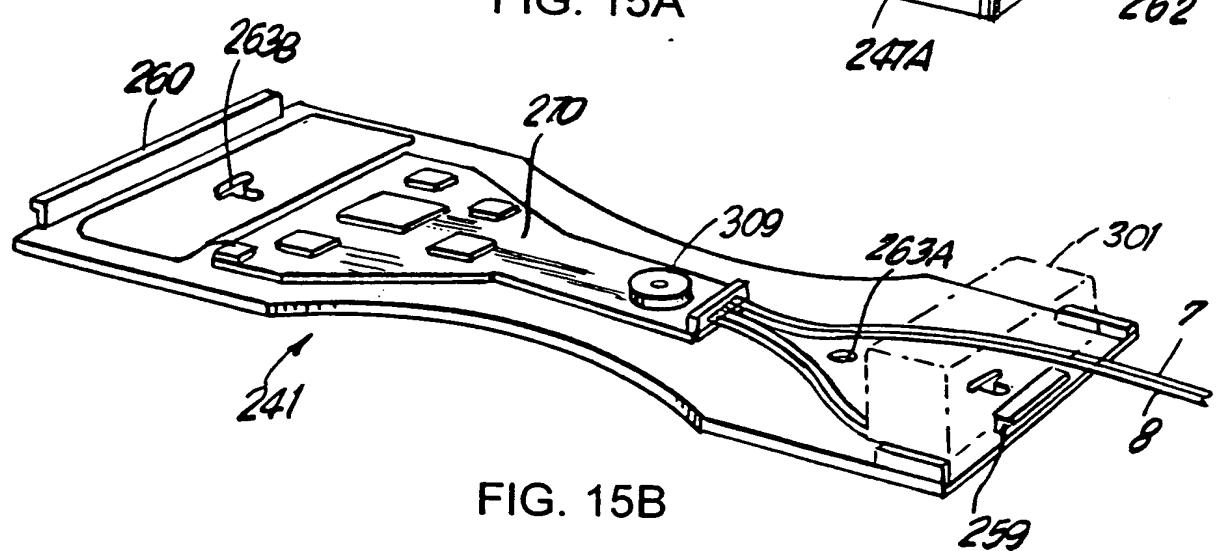
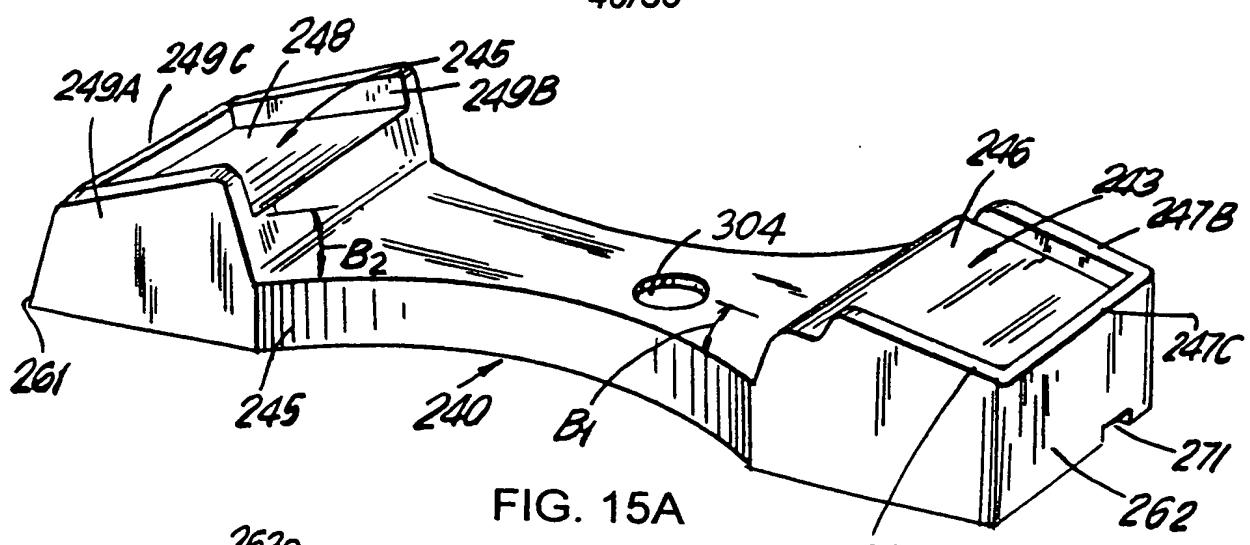


FIG. 14

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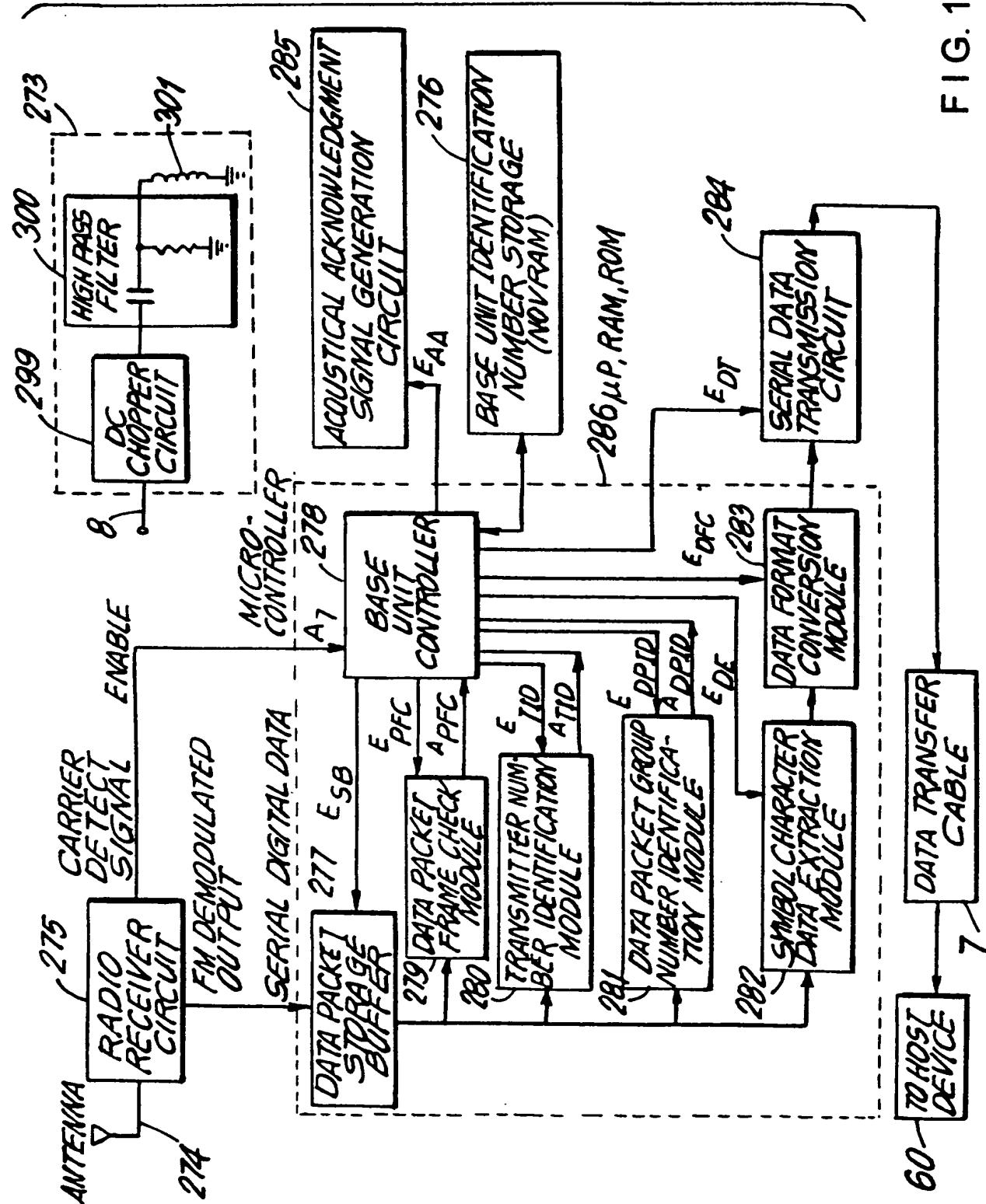


FIG. 16

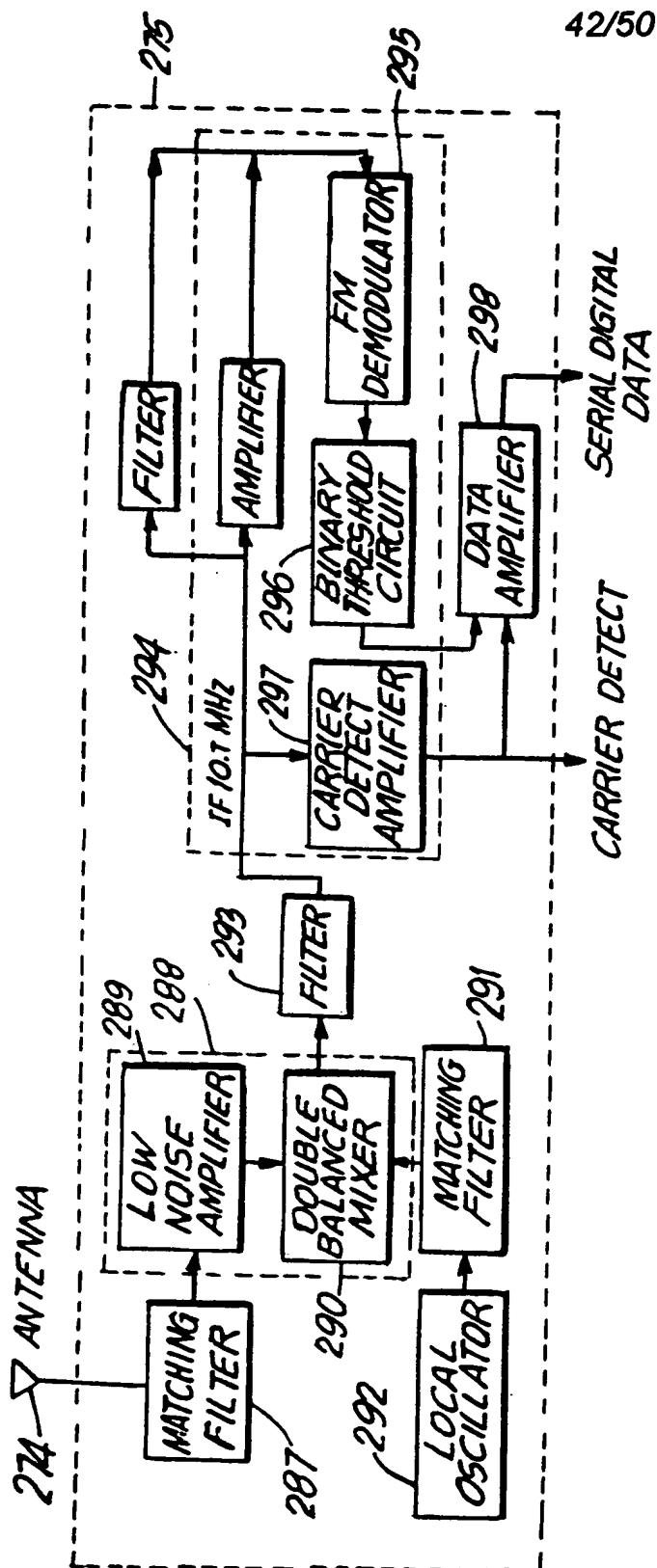


FIG. 16A

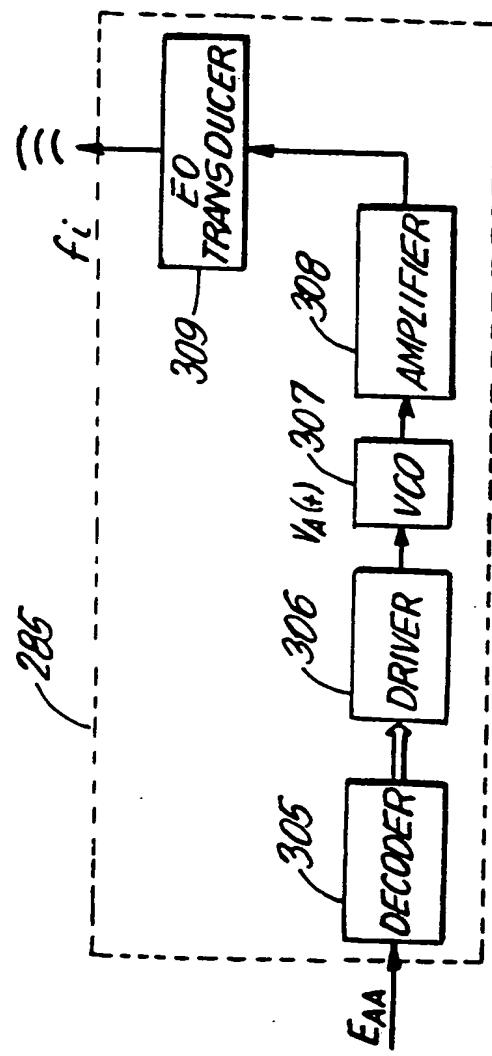


FIG. 16B

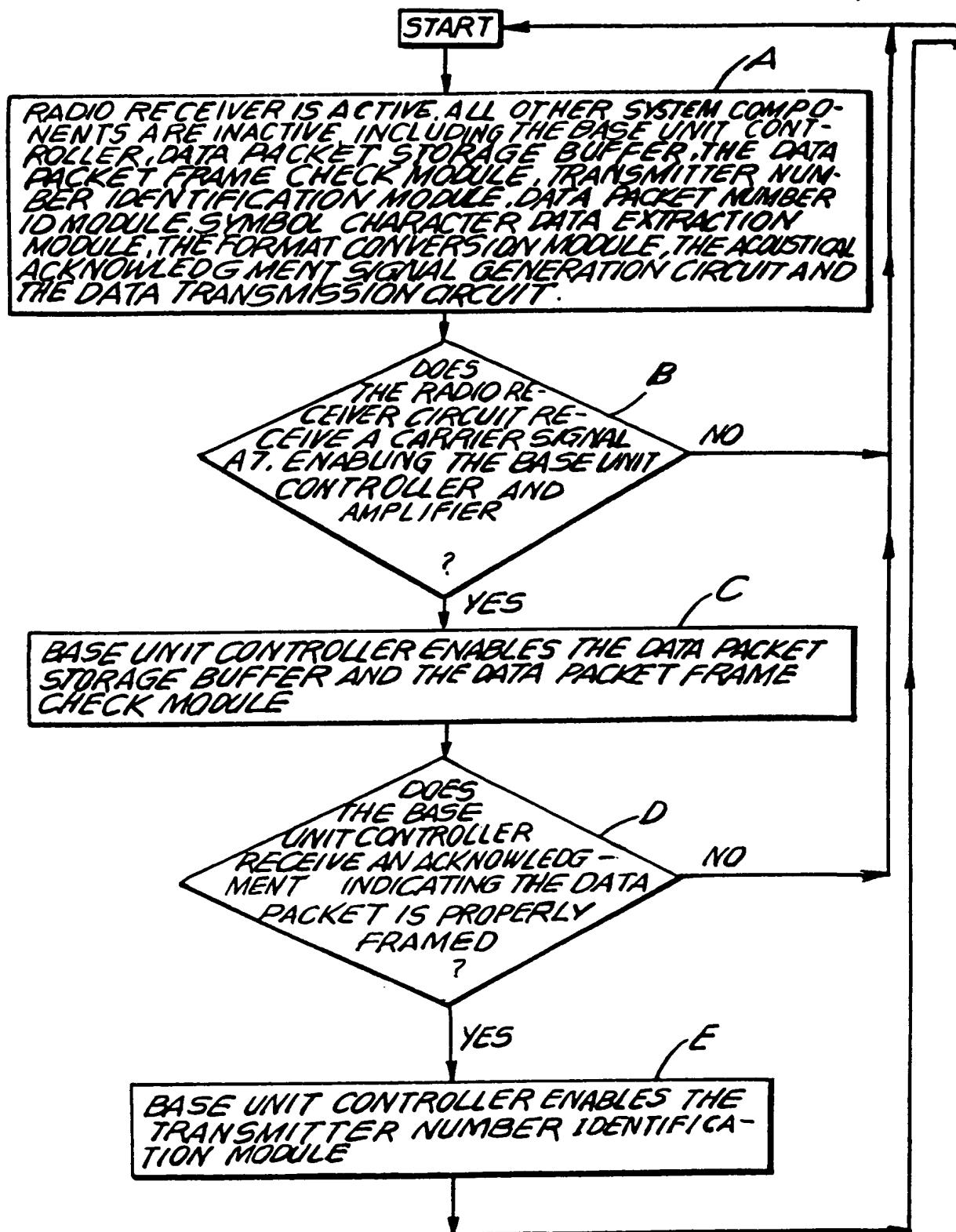


FIG. 17

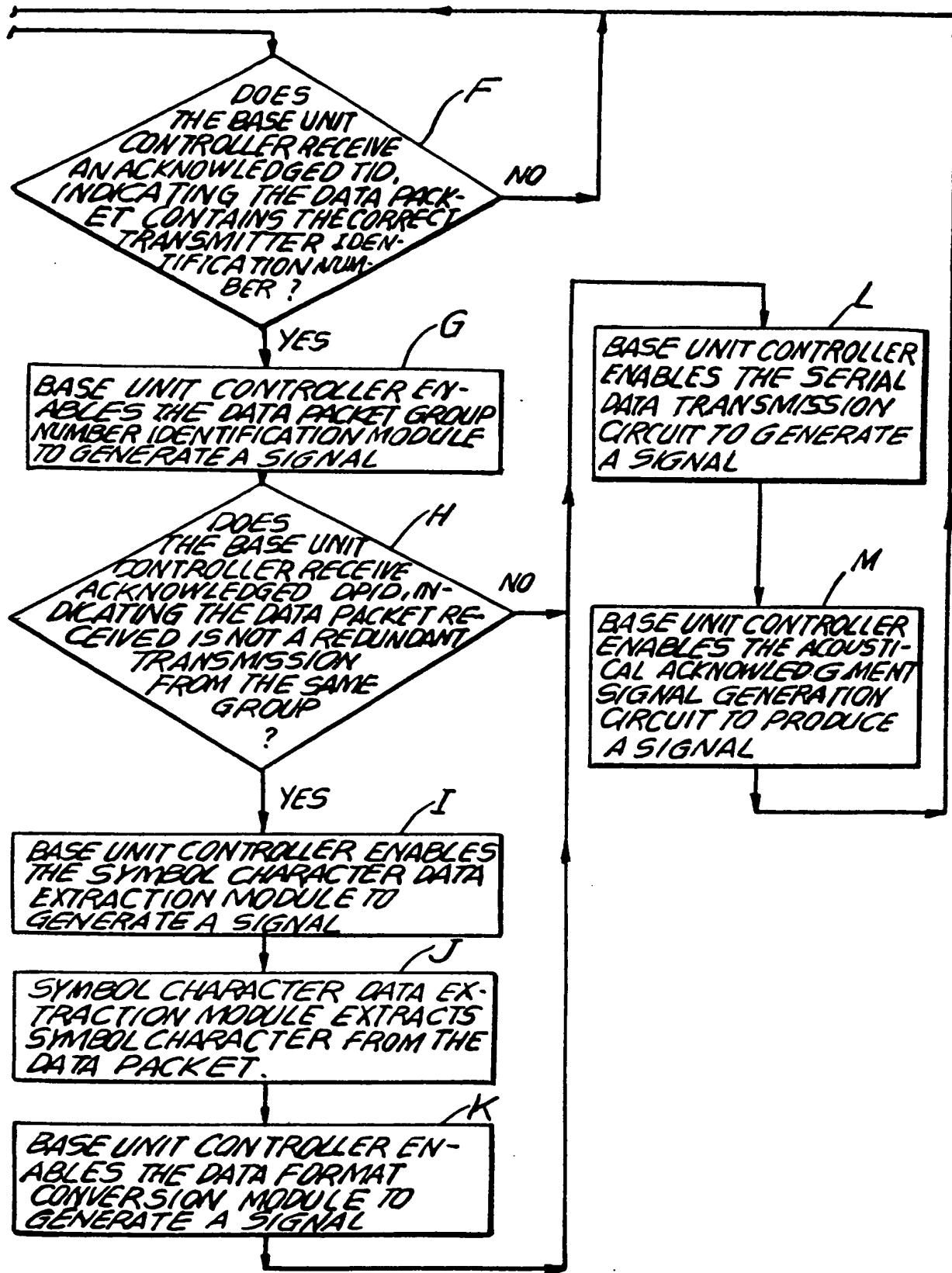
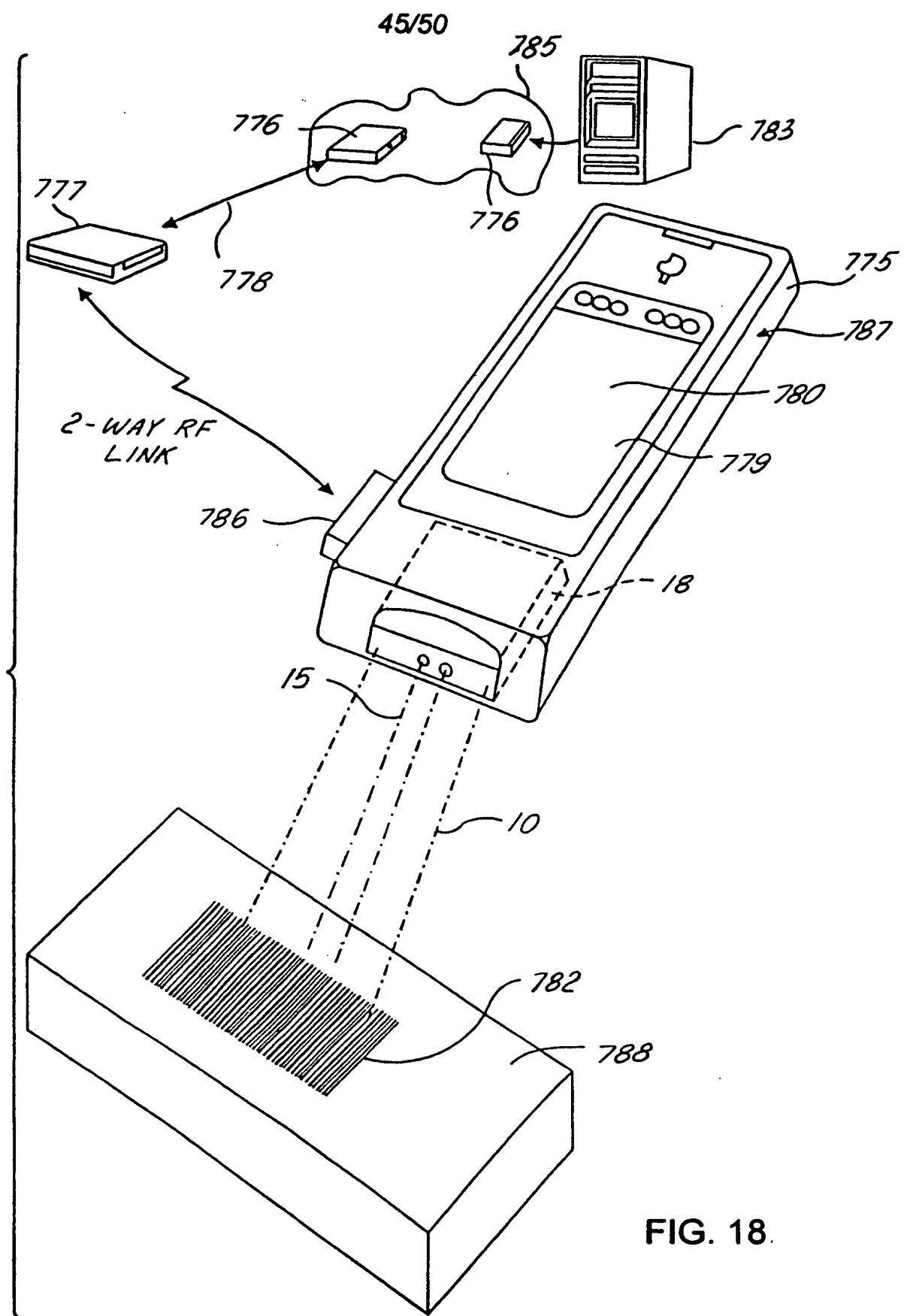


FIG. 17A



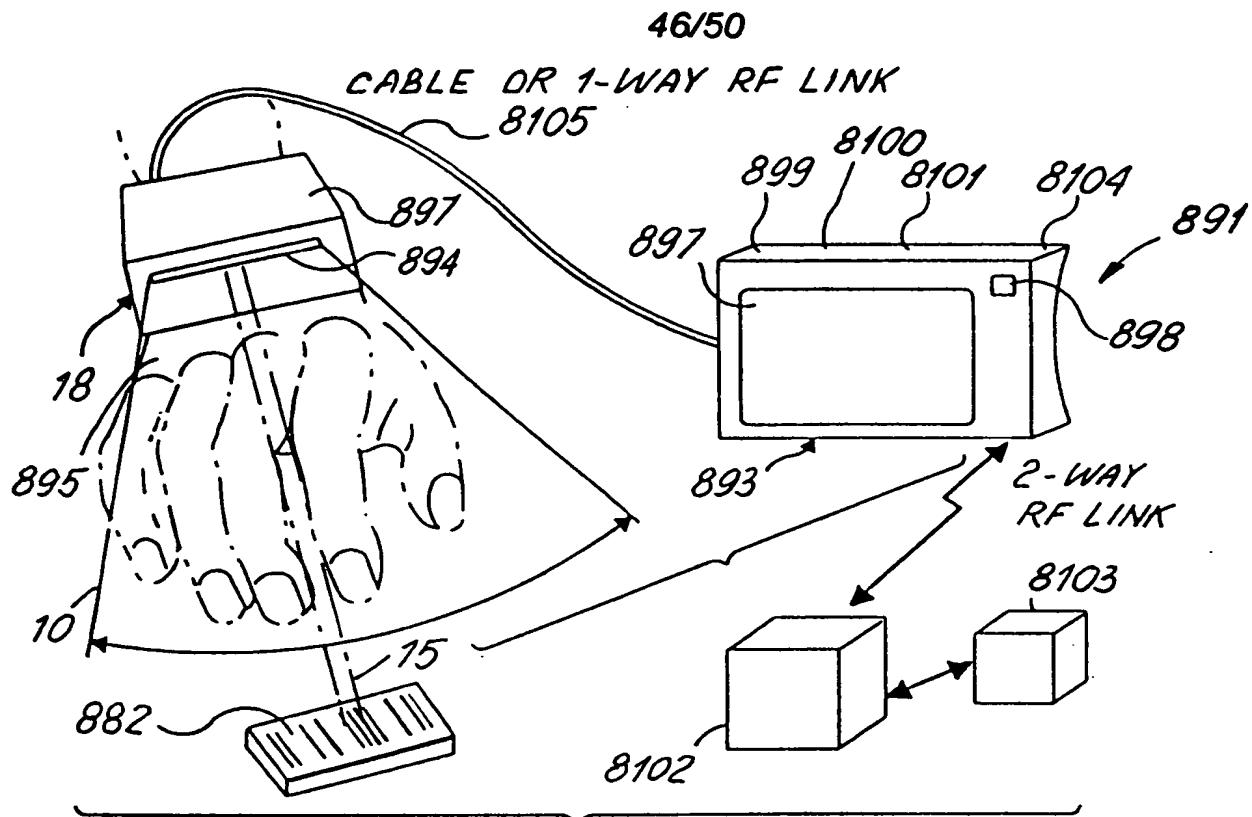
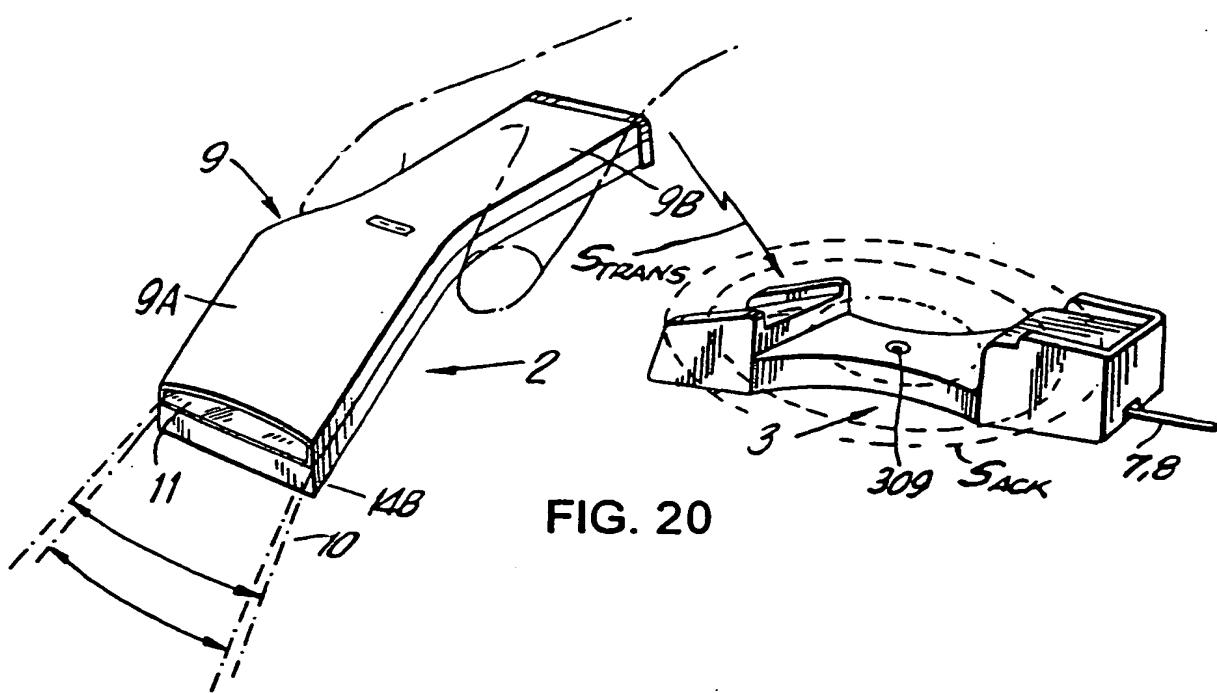
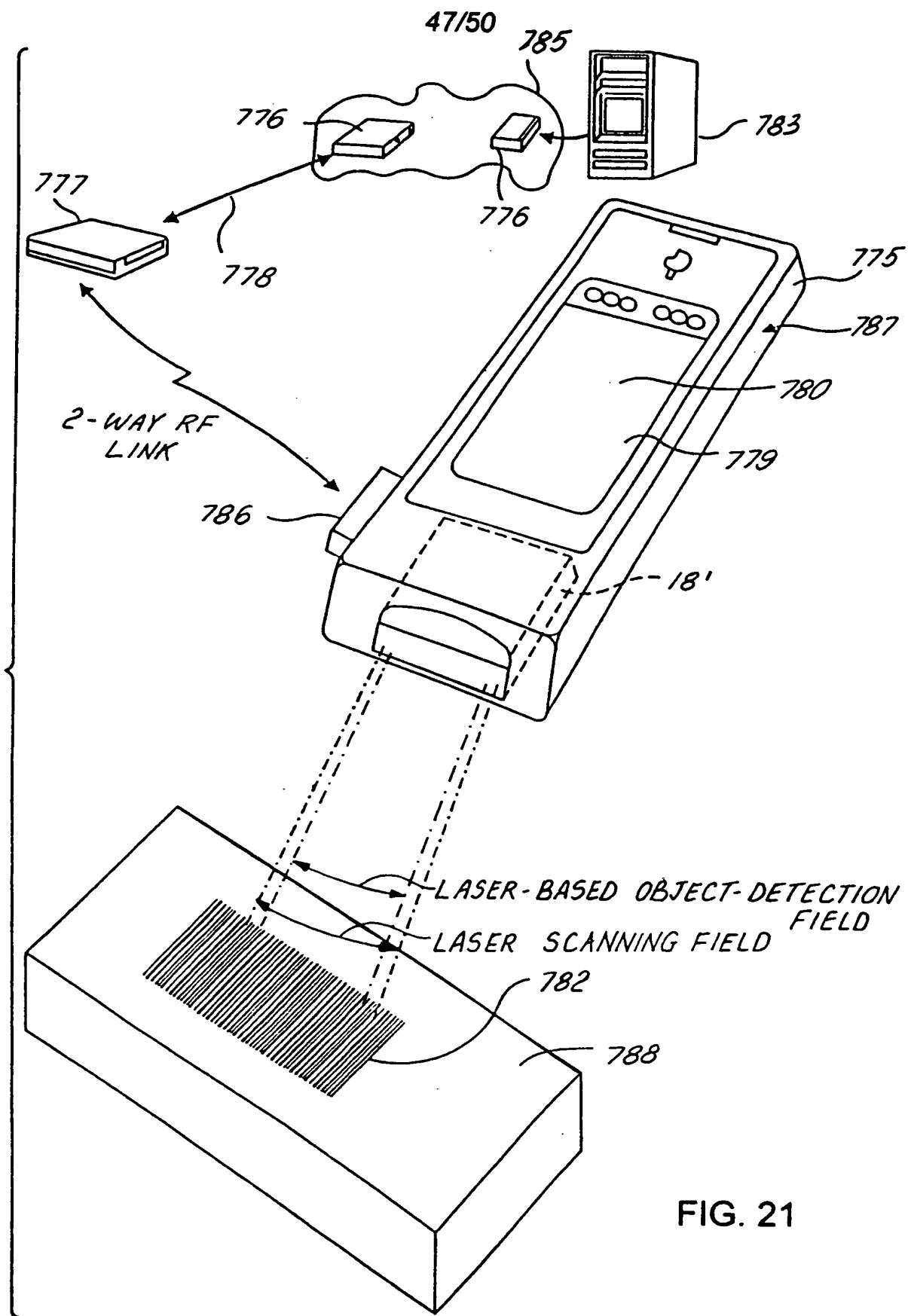


FIG. 19





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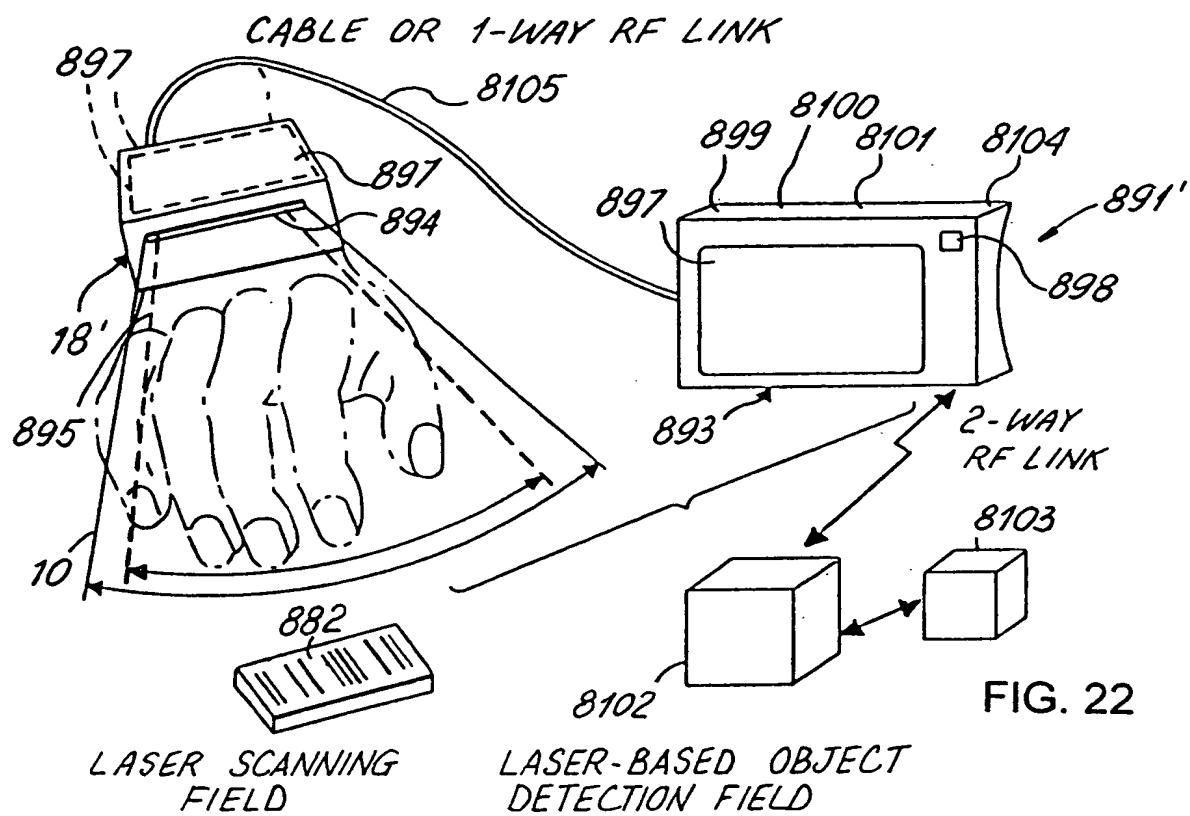


FIG. 22

MANUALLY-TRIGGERED ACTUATION

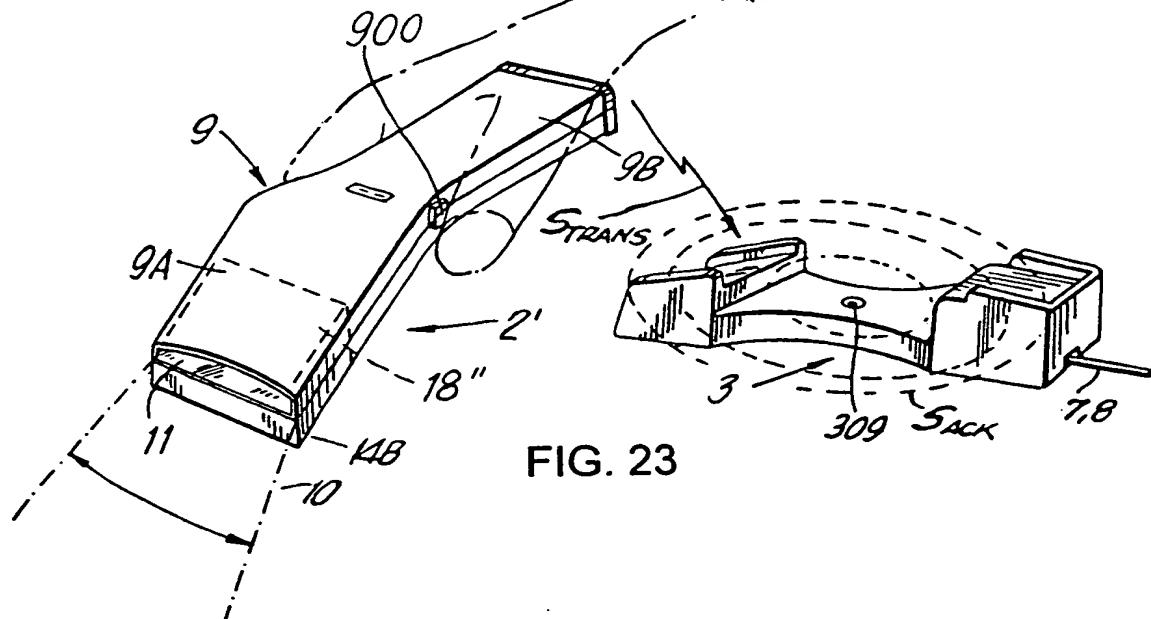


FIG. 23

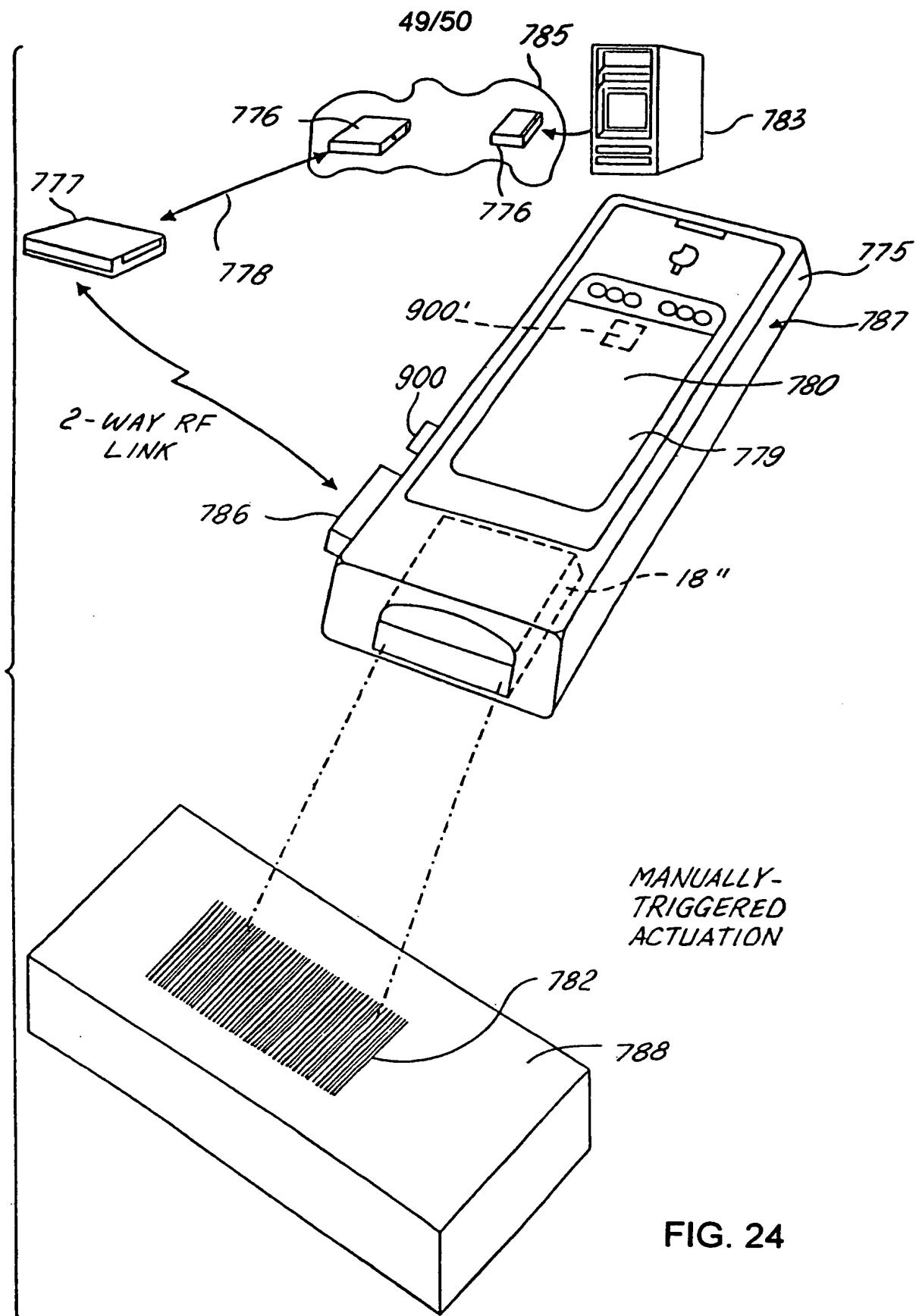


FIG. 24

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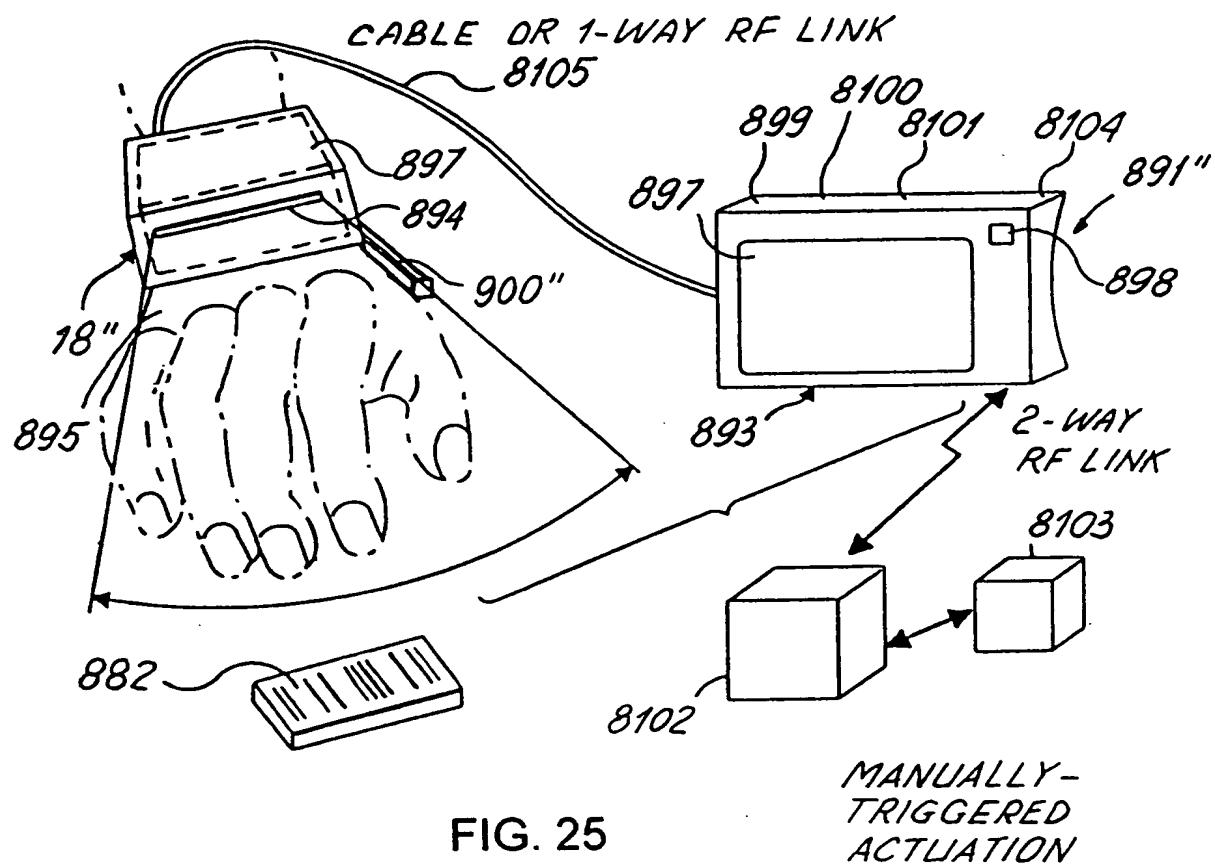


FIG. 25